

W PRICE LIST

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W 588

OF

INSTRUMENTS, ETC.

REVISED.

FROM THE DENTAL COSMOS FOR JANUARY, 1870.

ARMED FORCES MEDICAL LIBRARY
WASHINGTON, D. C.

SAMUEL S. WHITE.

MANUFACTORY AND PRINCIPAL DEPOT:
CHESTNUT STREET, CORNER OF TWELFTH, PHILADELPHIA.

BRANCHES:

767 and 769 Broadway, New York. 13 and 16 Tremont Row, Boston.
121 and 123 State Street, Chicago.

MAY 19 1954

S. S. WHITE'S



F. SMITH SC. PHILA.

DENTAL MANUFACTORY AND DEPOT,

Chestnut St., Corner of Twelfth St., Philadelphia.

THE PHILADELPHIA DEPOT.

THIS being the first Number of a New Volume of THE DENTAL COSMOS, and as such sent as a Specimen Copy to a large number of non-subscribers, we have thought proper, in presenting a Cut of our Manufactory and Depot, to accompany it with a description of the building, taken from a leading daily paper of this city, published about the time of its completion, a year ago. Of the sales-room we will say that, in extent, in completeness of stock, in the thoroughness with which the goods have been classified, and the system by which they are exhibited, for the comfort and convenience of purchasers, and the prompt satisfaction of inquiries, it far surpasses anything ever attempted before in our line of business.

The vast variety of forms now in use of Pluggers, Excavators, Burs, etc. can be examined in a much shorter time than has ever been possible by any previous arrangement, and this is true of every department of the stock; so that a visitor having but an hour or two at his command is enabled to see all that is in use by the profession, and to examine and select a stock which formerly would have required days to accomplish. Visitors from distant points have borne hearty testimony to the satisfaction which they have experienced in the purchase of instruments and materials by reason of these arrangements, declaring their willingness to incur the expense and loss of time in travel for the sake of the advantages thus offered them. We invite all members of the profession to call and examine the stock, whether desiring to purchase or not, as it is always a pleasure to show superior goods to those who can recognize excellence.

"S. S. WHITE'S NEW BUILDING."

"The assertion may sound somewhat extravagant, but it is nevertheless an undeniable fact, that the structure recently erected at the corner of Chestnut and Twelfth Streets by our esteemed friend, Dr. White, is one of the finest buildings of its kind in the world.

"The necessity for larger accommodations, both for manufacturing purposes and sales-rooms, made the removal from the buildings previously occupied on Arch Street imperative, and has been the means of adding to the attractions of the city one of its noblest edifices. He may feel just pride that, while confessedly leading the world in his own department of manufactures, he has devised and completed a building which, while it combines all the conveniences necessary for his immense trade, is also a monument to his business energy and unblemished reputation, and an object of admiration to every beholder.

"Approaching this vast structure, one is forcibly struck with its immense size, massive appearance, and the noble style of its architecture; a front of 44 feet on Chestnut Street, of pure white marble, a depth of 235 feet on Twelfth Street, and a height—90 feet to the cornice—overtopping the surrounding buildings, irresistibly arrest the attention of every passer.

"The first floor has been leased for a term of years to the enterprising firm of Bailey & Co., jewelers, and has been fitted up by them in a style of surpassing magnificence.

"The basement is vaulted out beneath the pavement on the front, side, and rear, and contains the boilers, engine, furnaces, mills, forges, and a series of immense bins for storing materials, crude and prepared, and work-rooms for certain classes of work.

"The second floor is the dental sales-room, and contains the counting-room, private offices, and the publication office of the DENTAL COSMOS. It is handsomely fitted up, and provided with every convenience for the display of an immense stock of dental materials, and the dispatch of business. A wonderful variety and extent of stock, of every conceivable article used by the dentist, from the smallest hand implement to the costliest plush-lined chair, are here exhibited. No trouble or expense seems to have been spared to arrange for the comfort and convenience of purchasers. A series of wall-cases, approachable on three sides, display at a glance their varied contents, while on either side of the grand centre aisle a series of novel hexagonal cases, with slanting glass lids, balanced by weights, to hold them in any required position, give opportunity to spread out the more delicate implements, which are so arranged that they can be critically examined with great rapidity. The sales-room is approached from the Chestnut Street front by a beautiful flight of white marble stairs.

"The entrance of the third, fourth, and fifth stories is by two stairways on Sansom Street, one for the male and the other for the female operatives.

"*The third floor* is divided into four rooms, and is devoted to the various processes of tooth-making. *The fourth floor* is used exclusively for the manufacture of dental instruments and appliances. *The fifth floor* is appropriated to preparing and putting up the various preparations for office and laboratory use, and for packing and storage.

"Throughout the entire building every attention has been paid to the comfort of the operatives, the apartments being admirably ventilated and lighted, and warmed throughout by steam.

"On the Sansom-street front is a lift operated by steam, extending from the fifth story to the basement, at all times in readiness to convey goods from one story to another, receive raw materials, and discharge the finished products of the establishment. In addition, at convenient places, three dumb-waiters convey light packages from the manufacturing departments to the sales-room.

"Communication is made from the sales-room and offices to the various apartments by means of speaking tubes, which traverse the building throughout. The whole building is fire proof; the walls are of immense thickness, and each floor is supported by compound wrought-iron beams, that span the entire width of the building—with no columns to interrupt the view—and are calculated to upbear 155 pounds to the square foot. They are connected by tie-rods throughout the entire length of the building, spanned by brick arches, which are filled to the crown with concrete and mortar, over which are laid floors of Southern, or true yellow pine. The cornice is of galvanized iron, with iron supports, and, therefore, like the rest of the building, fire proof; the roof of iron framework, covered with tin.

"The cost of the entire structure was about \$460,000.

"This magnificent establishment gives constant and remunerative employment to between two and three hundred people, and supplies a very large proportion of the dental material consumed in the world.

"Besides these warerooms, Dr. White has depots for the sale of his manufactures in New York, Boston, and Chicago, and supplies dealers in most of the principal cities of this and other countries, carrying the name of Philadelphia enterprise throughout the habitable globe."

ARTIFICIAL TEETH.

THE RECENT PREMIUMS.

At the late Fair of the Maryland Institute,

A GOLD MEDAL

WAS AWARDED TO US FOR

THE BEST ARTIFICIAL TEETH;

And at the Fair of the American Institute, New York,

THE FIRST PREMIUM

FOR IMPROVEMENT IN ARTIFICIAL TEETH.

THESE Premiums were awarded for Improvements over all Teeth previously made, either by ourselves or others, and not merely for superiority over those with which they were in competition at the fairs.

The especial attention of the profession is requested to these Improvements, which were recognized by very able Committees as obviating the greatest remaining defects in Artificial Teeth for Rubber Work.

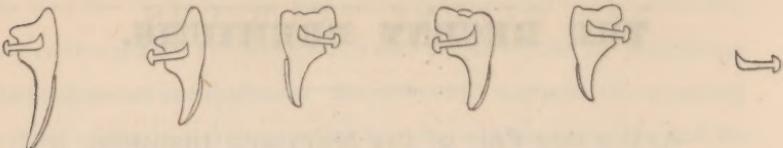
In our appeal before these Institutes, which are well known to be the highest tribunals of mechanical, manufacturing, and inventive progress in our country, we based our claim for the award which we won, as we now confidently do for recognition by a talented and appreciative profession, on the following distinct improvements, viz.:

A new and peculiar form of the internal portion of the pin, securing greater strength with less liability to loosen. (See Cuts.)

In this "foot-shaped" pin it will be seen that the wire is "upset," so that the thickest part of the pin is at the heel or angle; the point or toe running upward into the thick part of the tooth, giving additional security against its being drawn out.

And secondly, the insertion of the pin at an upward angle so as to make it bed in the strongest portion of the tooth material, by which we avoid weakening the thin portion of the tooth—as is done when the headed pin is inserted in a straight line—and retain the greatest amount of material where the greatest strain is brought to bear upon it in biting and masticating. Also, as the force exerted is

outward and downward toward the necks of the teeth, the shape and direction of the pin is thus made directly to oppose it. (See Cuts.)



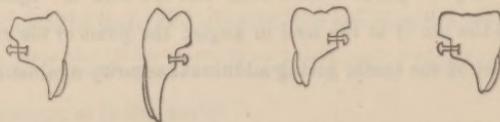
Of this Improvement the Committee of the American Institute say:

"In regard to the shape and insertion of the pin in the body of the teeth now manufactured by S. S. White, the improvement is manifestly great over those of any other manufacturer known to us."

This form of pin has been in use more than a year.

We thus distinctly and emphatically describe this Improvement, claiming originality, novelty, and marked superiority, because of our experience in the past. Unscrupulous appropriation of all improvements and inventions, whether patented or not, has been the policy pursued by some engaged in the manufacture of artificial teeth, while persistent misrepresentation of facts has been practiced by them as a legitimate mode of effecting sales.

In this way our patented improvement of the double-headed pin, which was recognized as very valuable in connecting artificial teeth to rubber, was pirated and evaded. Not only this, but a pin made and used by us for a short time, in which the evil of the old style of head inserted in sectional blocks was sought to be corrected, by flattening the inner end, and which sometimes broke at the part where the flat joined the round, was exhibited by these parties as proof that we were making teeth with pins which had no head at all, when they knew that the head was left imbedded in the tooth, and held so firmly as to break the pin. This and other forms of pins tested from time to time have, after long and varied experiments, developed the foot-shaped pin, which, in connection with the angle of insertion, we confidently claim is the nearest approach to mechanical perfection and adaptation of means to ends that has been discovered in this direction.



These Cuts represent sections of teeth in our possession bought fairly of other makers, and ground down to the middle of the pin. Comparison of these with the Cuts of ours, renders comment unnecessary, either as to the shape and usefulness of the pin, or the quantity of platinum used.

SAMUEL S. WHITE.

DENTAL INSTRUMENTS.

AT THE FAIR OF THE AMERICAN INSTITUTE, NEW YORK

(EXHIBITION OCTOBER, 1869).

THE FIRST PREMIUM

WAS AWARDED TO US FOR

SUPERIOR DENTAL INSTRUMENTS.

AT THE FAIR OF THE MARYLAND INSTITUTE, BALTIMORE

(*Exhibition November, 1869*),

A GOLD MEDAL

WAS AWARDED TO US FOR

EXCELLENCE OF DENTAL INSTRUMENTS.

Extract from Report of the Committee on Instruments of the American Institute.

"We have carefully examined the Dental Instruments exhibited by S. S. White, and find them of superior finish and excellent temper. We would particularly mention the perfection with which the burs and the serrations on the points of the filling instruments are cut: the shapes of the various kinds of filling instruments are admirable. In accordance with the wish expressed by the Board of Managers, we were very particular in testing the temper of these instruments, to ascertain if this important point has been attended to with the same care and skill as were evident in the other parts of their construction, and we found that in this particular their manufacture had been as carefully conducted as in the other parts, and that the instruments had the varieties of temper best suited to the purposes for which they were constructed. And we pronounce them to be the best we have ever seen produced by any manufacturer of Dental Instruments."

All of the Dental Instruments and Machinery exhibited at the Fair of the American Institute, New York, October, 1869, and also all those exhibited at the Fair of the Maryland Institute, Baltimore, November, 1869, which obtained the First Premium and Gold Medal respectively, were selected out of the regular stock on hand and for sale. Not a single article was made especially for exhibition, but they were all in every point of make and finish a part of the same supply of goods bearing the Trade-marks   from which we fill orders to customers.

SAMUEL S. WHITE.

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OUR DENTAL INSTRUMENTS AND MACHINERY,

AND THE

TRADE-MARKS WHICH THEY BEAR.

The Trade-marks  and  stamped or placed upon any instrument or machine indicate that the article is made for Samuel S. White by Henry Coy. Presenting herewith testimony that justifies the claim that they are the *best make in the world*, it is proper to state how this result has been attained.

Formerly, the machinery and appliances in use by the dental profession were of inferior quality,—unsuited for the purposes for which they were designed. Recognizing these defects, and ambitious to offer articles of a superior quality to those desiring such, and having knowledge of the ability of Mr. Henry Coy, an arrangement was made with him for their manufacture. He began on machinery only. Taking up, one by one, the articles in current demand, such as Grinding Machines, Lathe Heads, Foot Powers, and Brackets, the excellence of form and make was attained now well known to the profession and to the trade. About two years ago, the instruments which were made in the manufactory established by us not coming up to the standard of excellence thought desirable, he, at our request, assumed its care and development. This department of our business has demanded a large investment. The fourth floor of our new building has been fitted up with every accessory of tools and machinery for the production of the highest style of work. Mr. Coy is the responsible manufacturer of all those goods which bear his trade-mark  and receives a percentage on their cost. His interest lies wholly in the growth and maintenance of the trade; and only such a trade as ours, steadily developed, would remunerate him for the time, care, and unwearied attention which the manufacture of so large and varied a line of articles demands, when it is required that every one of them shall be the very best in material, in form, in every detail of work and finish.

By this arrangement with one so thoroughly capable and determined to excel, results have been attained which we could not have hoped to reach in any other way.

SAMUEL S. WHITE.

Resolution of the New Orleans Dental Association.

At the regular monthly meeting of the N. O. Dental Association, held June 3d, 1869, the following resolution was unanimously adopted:

"Resolved. That having examined and tested the improved Dental Instruments (viz.: Pluggers, Excavators, Burs, Chisels and steel goods generally, manufactured and now being offered to the Profession by S. S. White, of Philadelphia, we find them beautiful in style and finish, excellent in quality and adaptability, and altogether superior to any instruments that have ever been offered to the Dental Profession.

"We are happy to congratulate the Profession on their having such excellent aid in the execution of their varied duties from the enterprise and liberality of S. S. White, who has displayed such great energy in developing resources for the advancement of Dental Science."

The above is a true copy from the Minutes of the meeting.

(Signed)

JOHN G. ANGELL, D.D.S.,
Secretary of N. O. Dental Association.

Resolution of the Tennessee State Dental Association.

At a meeting of the Tennessee State Dental Association, held in the City of Nashville, 22d July, 1869, the following resolutions were unanimously adopted:

Whereas, The members of this Association have seen with much satisfaction the recent great improvement in the manufacture of Dental Instruments by Dr. S. S. White, of Philadelphia, and having felt the need of improved steel goods in the practice of Dentistry, and feeling that every difficulty is now removed or overcome through the efforts of Dr. White, and that nothing better in style or quality of Dental Instruments, from the smallest sized excavator to the largest instrument requisite in dental practice, can be desired; therefore be it

Resolved. That the members of this Association express their high appreciation of the improved quality of instruments, and their indebtedness to Dr. White as a manufacturer and dealer, and for his past and present generous efforts in behalf of the interest of the Dental Profession, and also most heartily recommend the Profession to avail themselves of these benefits.

(Signed)

M. McCARTY,
Secretary.

DR. S. S. WHITE:

In reply to the question, "What I think *ought to be said* of the quality of the instruments offered to dentists by you during the past year?" I reply:

From a personal inspection of the ADMIRABLE SYSTEM of producing the instruments, I would confidently expect that for strength, temper, finish, and all desirable qualities of utility and ornament, they would excel. And this has been fully confirmed by severe and almost daily tests to which they have been put in a practice difficult and trying. I have ever endeavored to obtain the best, not the lowest priced instruments, with which to perform my dental operations, and after having many makers work for me under personal inspection, I have never been so well served in any case as with the instruments you have furnished me during the last year.

W. H. ATKINSON, M.D.,

New York.

NEW YORK, Dec. 11, 1869.

S. S. WHITE:

MY DEAR SIR.—It gives me great pleasure to state that your effort to represent my ideas accurately in the manufacture of the Pluggers which I have adopted and recommended to the profession, is a complete success. The exact shapes desired have been faithfully preserved, the serrations are just what I want, and in every respect they conform to my conception of what a set of Pluggers should be, and that is more than I can say for any others that I have seen.

R. W. VARNEY.

BROOKLYN, Dec. 1869.

DR. S. S. WHITE:

My dear Sir.—I wish to express to you my admiration for the filling instruments which I have examined, made from the patterns of Dr. Varney, of New York. In point of workmanship they excel anything I have ever seen in the department of operating instruments for dentists. It is highly gratifying to me, as it will be to all lovers of our profession, to see such perfection in these instruments: and it is a matter worthy of notice by us as dentists, that our demands are being met by the production of first-class instruments, thereby enabling us to come nearer the point of perfection in our operations. I consider the price you have put on them is only in keeping with the quality. I believe you desire, as all high-minded men in our calling do, to produce, for a first-class price, a first-class article.

Quantity is not what we aim for; it is quality. Men of progress will all recognize this.

With great respect,

I am yours, most sincerely,

GEO. A. MILLS,
104 Hicks St.

DR. S. S. WHITE:

I cannot forego the pleasure of expressing to you the great satisfaction I have experienced in the use of that last lot of Excavators and Pluggers I procured of you some time ago.

The form, temper, and beauty of finish of the Dental Instruments at present manufactured at your establishment, I consider in many respects decidedly in advance of those of any other maker whose instruments I have used and tested during my long term of practice.

It has been my conviction for a long time that instruments, such as you are now furnishing, can only be made from the *finest quality of steel* in the hands of the *most careful and experienced workmen*.

Your enterprise and marked success in this department, as well as others, cannot fail to receive the liberal patronage and sincere thanks of our profession.

C. A. KINGSBURY.

1119 Walnut St., Philadelphia.

1627 Chestnut Street,
Philadelphia, Dec. 31st, 1869.

SIR,—You may state to the profession that, after one year's trial of your manufacture of Excavators and Pluggers, I have been so much pleased, that I do not use any others.

Very respectfully, etc.,

THOMAS C. STELLWAGEN.

To SAMUEL S. WHITE, D.D.S.,

Cor. 12th and Chestnut Streets, Philadelphia.

DR. S. S. WHITE:

The quality of the steel, the temper and shape of the instruments obtained from you during the past two years have given me so much satisfaction, that I take great pleasure in recommending them to the profession, satisfied that it will be your aim to maintain their reputation in the future by supplying others equally as good.

Truly yours,

J. H. McQUILLEN.

DR. S. S. WHITE:

DEAR SIR.—In answer to your inquiry in regard to your instruments, it is with pleasure I respond. They possess characteristics that justly entitle them to be considered superior to any now manufactured. In finish, they are, in my judgment, *unrivaled*, and in other important features will bear a critical examination.

The true test of an instrument is the daily strain it is put to, and in this, those of your manufacture have been satisfactory to me.

The great variety of useful forms, embodying the ideas of careful and well-known operators, constitute a feature worthy of notice, as it brings the artificer and operator in a nearer and more harmonious relation than was the case in former years, while at the same time it lightens labor by the multiplication of the most useful forms.

The classification of this most difficult and complicated branch of dental manufacture is worthy of the highest commendation, simplifying, as it does, the whole subject to the comprehension of the most unpracticed.

Respectfully yours, etc.,

JAMES TRUMAN, D.D.S.

SAMUEL S. WHITE:

Philadelphia, Jan. 1, 1870.

DEAR SIR.—I am using, with entire satisfaction, the last Plugging Instruments purchased of you. In shape, temper, and *beauty of finish*, I have yet to see their equal.

I have noted with peculiar pleasure the great improvements which have lately been made in the manufacture of dental instruments, and to you belongs the acknowledged appreciation of the dental profession.

Truly yours,

EDWIN T. DARBY, D.D.S.

906 Walnut Street.

S. S. WHITE:

Philadelphia, Dec. 31, 1869.

DEAR SIR.—I testify with pleasure to the great excellence of your Dental Instruments.

In nice adaptation of form, fine finish, and evenness of temper, they are not excelled by any instruments I have ever used.

W. C. HEAD, D.D.S.,
Demonstrator Op. Dent. Phila. Dental College.

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PRICE LIST.

EXCAVATORS.

Dr. Head's set of 25, from his patterns, with his approbation. Octagon Steel. Bronzed	per doz.	\$3.60
Our full set of 134, as illustrated in Catalogue, with a few additions. Best quality. Octagon Handles. Bronzed.....	per doz.	2.40
The same. File-cut Handles. Selected Nos.....	"	3.25
Dr. Wetherbee's set of 12 Chisel and Spoon Excavators. From his own patterns. Plain Octagon. Bronzed.....	per doz.	3.60
Our "Plain Line." (See Special Notice, this Number of DENTAL COSMOS)	"	2.00

BURS.

Plug Finishing. (See Catalogue, page 76).....	each	75
Dr. Abbott's selection of 12. Plug Finishing. Same Handle and Finish. "	"	75
Our full set, as illustrated in Catalogue, pp. 68, 69. True to our new standard Bur Gauge. Best quality. Octagon Handles. Bronzed.....	per doz.	2.40
The same. Real "Fine Cut".....	"	3.00
Dr. Gates' Bur Drills, A, B, C, D, and E, as illustrated in Catalogue, page 71.....	per doz.	3.00
Dr. Scranton's Bur Drills, as illustrated on page 69 of Catalogue... ..	"	3.00
Our "Plain Line" of Burs. (See Special Notice, this Number of DENTAL COSMOS).....	per doz.	2.00

DRILLS.

Our full set, as illustrated in Catalogue, pp. 68 and 69. True to our new standard Gauge. Best quality. Octagon Handle. Bronzed.....	per doz.	2.40
Dr. Scranton's and Dr. Gates' Bur Drills. See under head of "Burs."		
Our "Plain Line" of Drills. (See Special Notice, this Number of DENTAL COSMOS).....	per doz.	2.00

PLUGGERS.

HAND PLUGGERS.

The "N. Y." set of 144. The most complete selection of the best and finest forms and points ever yet made. Each shape graded accurately in several sizes. In stock only as $\frac{1}{2}$ inch. File-cut. Bronzed.....	per doz.	6.00
The S. S. White set of 60, as per Catalogue, pp. 52 and 53, $\frac{1}{2}$ inch. File-cut. Bronzed	per doz.	6.00
The set of 12, $\frac{3}{8}$ inch steel. File-cut. Bronzed. Condensers.....	"	8.00
S. S. White's $\frac{3}{8}$ inch steel. File-cut Pluggers.....	"	8.00
The S. S. White set of 12 Amalgam Pluggers and Burnishers. $\frac{1}{2}$ inch. File-cut. Bronzed. Catalogue, p. 60. No. 1 to 8. Pluggers.....	each	60
No. 9 to 12. Burnishers.....	"	50
Dr. Arrington's selection of 8 Amalgam Pluggers. $\frac{1}{2}$ inch. File-cut. Bronzed	per set	4.40
The same. $\frac{7}{16}$. Plain Octagon. Bronzed.....	"	8.50
Dr. Ellis' set of 12. For Plastic Gold. From his own patterns, with his approval. $\frac{1}{2}$ inch. File-cut. Bronzed.....	per doz.	6.00
The same. $\frac{7}{16}$. Octagon. Bronzed	"	5.00
Dr. Darby's set of 27 Pluggers and Con lenses. Approved by him. $\frac{1}{2}$ inch. File-cut. Bronzed. (See Catalogue, p. 56)	per doz.	6.00

Dr. Redman's set of 30 Cylinder Pluggers (as illustrated in the DENTAL COSMOS, January, 1869), from his patterns, with his approbation.	$\frac{1}{4}$ inch.	
File-cut. Bronzed.....	per doz.	\$6.00
Dr. Wetherbee's set of 42 Packers, from his own set. Plain Octagon. Taper end. 7 inch.....	per doz.	5.50
Dr. Head's set of 12 Pluggers, from his patterns, with his approval. File-cut. Taper end. Bronzed.....	per doz.	5.50
The same. Plain. Taper end. Bronzed.....	"	4.50
S. S. White set of 72 selected, very fine, and small Points and Condensers. Taper end. $\frac{3}{16}$. Octagon. File-cut. Bronzed. (See advertisement with illustrations in this Number of DENTAL COSMOS).....	per doz.	5.00
The same. Plain Taper end.....	"	4.00
The same. Plain. Octagon Handle.....	"	3.00
Dr. Abbott's set of 12 Hand Pluggers. From his patterns, revised expressly for us. 6 inch. Plain Octagon. Black.....	per doz.	3.00
Dr. Hunter's set of 12 Nerve Canal Pluggers. Plain Oct. Bronzed. "	"	3.60
Dr. Arrington's Canal Pluggers. Plain Octagon. Bronzed.....	"	3.00

MALLET PLUGGERS.

Dr. Forbes' set of 6. 3 pairs R. and L. 7 inch. Octagon. $\frac{1}{4}$. Ball end. Bronzed.....	per set	3.00
Dr. Butler's set of 15, as illustrated in DENTAL COSMOS, September, 1868. Made from his pattern, with his approval.....	per doz.	8.00
The Forbes Butler's. Being Dr Butler's points. Finger hold serrated. End tapered, instead of swelled. Tempered all over.....	per doz.	12.00
Dr. Abbott's set of 36, with his latest modifications. Our pattern set having been examined and approved by him. 7 inch. Plain Octagon. Taper end. Bronzed.....	per doz.	5.50
Dr. Atkinson's superb set of 60 Mallet Pluggers and Burnishers. Our patterns were carefully revised by Dr. A. himself, and he recognizes no other make. 7 inch. Octagon. Bronzed.....	per doz.	5.00
Dr. Atkinson's "additional" set of 9. Same style as the set of 60. "	"	5.00
Dr. Atkinson's "Omega" set of 12. Very peculiar points. Extremely delicate serrations. Made only in the same form and finish as the "Forbes-Butler's".	per doz.	12.00
Dr. Varney's set of 13. Made after his own set with swell ends, and also about the same weight, with taper ends. Made with the extremest care in every respect. (See Dr. Varney's note of approval in this Number of DENTAL COSMOS.) Tempered all over. Blued.....	per set	20.00
Or separately as follows:—No. 13, \$1. Nos. 1, 2, and 3, each \$1.25. Nos. 11 and 12, each \$1.50. Nos. 4, 5, 6, 7, 9, and 10, each \$1.75. No. 8, \$2.		

SOCKET PLUGGERS.

(See "Socket Instruments.")

We desire to call the attention of all Dentists to the strict regularity with which our Pluggers are made, in shape and size. The same number of any set will always be found a true reproduction. In regularity and perfection of the serrations, also, we know that ours are unrivaled. If a Plugger is serrated more deeply on one side than the other, it penetrates the gold unevenly. The same bad effect will result if the tips of some of the serrations are larger than those adjacent. With Pluggers of defective serration, no one can weld adhesive gold uniformly throughout. We request that our Pluggers be examined with a magnifying glass, and compared with the constantly imperfect ones of other makers on these points. See, also,

how cleanly cut the valleys are, and how smooth and finished, yet sharp, are the edges of the teeth, never tearing or dragging the gold. The Hand-pressure Pluggers named above are also, many of them, kept in stock, and all furnished to order, as follows:

$\frac{1}{2}$ inch.	Ivory Handle.	German Silver Ferrules.....	per doz.	\$15.00
$\frac{1}{2}$ inch.	" "	" " "	"	18.00
$\frac{1}{2}$ inch.	" "	" " "	"	21.00
$\frac{1}{2}$ inch.	Bleached Bone Handle.	Ger. Sil. Ferrules.....	"	9.00
$\frac{1}{2}$ inch.	" "	" " "	"	12.00
$\frac{1}{2}$ inch.	Ebony Handle	" " "	"	7.50
$\frac{1}{2}$ inch.	" "	" " "	"	10.00
$\frac{1}{2}$ inch.	" "	" " "	"	12.00
$\frac{1}{2}$ inch.	Pearl "	Gold-plated Ferrules.....	"	45.00
$\frac{1}{2}$ inch.	" "	" " "	"	60.00
$\frac{1}{2}$ inch.	Burgos "	" " "	"	40.00
$\frac{1}{2}$ inch.	" "	" " "	"	55.00
$\frac{1}{2}$ inch.	Cameo "	" " "	"	30.00
$\frac{1}{2}$ inch.	" "	" " "	"	35.00
$\frac{1}{2}$ inch.	Walrus "	German Silver Ferrules.....	"	10.00
$\frac{1}{2}$ inch.	" "	" " "	"	12.00
$\frac{1}{2}$ inch.	Buffalo "	" " "	"	10.00
$\frac{1}{2}$ inch.	" "	" " "	"	12.00

NOTE.—Burnishers and Scalers in above described Fancy Handles same prices. All our Gold-plated Ferrules are warranted 16 carat gold, and are one-fourth gold in thickness. The trade rule is usually one-tenth in weight only, which is very little better than good gilding.

BURNISHERS.

Dr. Darby's set of 6, as illustrated, page 57 of Catalogue.	$\frac{1}{4}$ inch.	File-cut Handles. Bronzed.....	per doz.	6.00
S. S. White set of 12, as Catalogue, page 54.	$\frac{1}{4}$ inch.	File-cut Handles. Bronzed.....	per doz.	6.00
Burnishers selected from our Amalgam set, or from other sets of our standard makes, as Drs. Atkinson's, Abbott's, Head's, Varney's, etc. Same style as above, to order.....		per doz.		6.00

NOTE.—Burnishers in other than Steel Handles, same prices as given for each kind under head of "Pluggers."

SCALERS.

S. S. White set of 22, as per Catalogue, pp. 60 and 61.	$\frac{1}{4}$ inch.	File-cut Handles. Bronzed.....	per doz.	6.00
In other than Steel Handles, same prices as given for each kind under "Pluggers."				
S. S. White set of 8, small, as per Catalogue, page 63.	Plain Octagon. Bronzed.....	per doz.	4.00	
Ebony Handle. (See page 68, Catalogue).....	" "	"	6.00	
Ivory Handle. "	" "	"	15.00	
Dr. Abbott's set of 8, from his patterns.	Revised expressly for us. Octagon Steel. Bronzed or Black.....	per doz.	4.00	
The Scalers of Dr. Arrington's set of Sealers and Chisels, as illustrated in this number of the DENTAL COSMOS.	$\frac{7}{8}$ Octagon. Steel Handles. Bronzed.....	per doz.	4.00	

CHISELS.

Dr. Jack's Double End. Hard Enamel Chisels. Set of 6. Designed and approved by him.....	each	2.00
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Dr. Goodwillie's set of 40 Chisels and Chisel Excavators. All his most recent forms. 8 of these are $\frac{1}{4}$ inch. File-cut Handles. Bronzed..per doz.	\$6 00
32 are $\frac{3}{8}$. Octagon Plain. Bronzed.....	4.00
Dr. Arrington's Heavy Molar and Bicuspid Enamel Chisels. A single pair R. & L. $\frac{1}{4}$ inch. File-cut. Bronzed	each 75
Dr. Arrington's set of 18 small Enamel Chisels and Scalers, as illustrated in this number of the DENTAL COSMOS. $\frac{3}{8}$. Octagon. Bronzed..per doz.	4.00
Dr. F. Abbott's Straight and Curved Enamel and Excavating Chisels. 6 of each. New set. From his own patterns, and expressly approved by him.	
6 Curved. Octagon Steel. Bronzed or Black.....per doz.	4.00
6 Straight " " " " "	4.00
The 6 Straight in $\frac{1}{2}$ inch Ivory Handles.....	" 18.00
" " in $\frac{1}{2}$ inch Ebony Handles.....	" 10.00
Dr. Darby's set of 12. $\frac{1}{4}$ inch. File-cut. Bronzed. As illustrated in Catalogue, page 57.....per doz.	6.00
S. S. White set of 48, as shown in Catalogue, page 62. $\frac{1}{4}$ inch. File-cut. Bronzed.....per doz.	6.00

NOTE.—The Dr. Darby and S. S. White Chisels, in other than Steel Handles, same prices as given for each kind under head of "Pluggers."

NERVE INSTRUMENTS.

Barbed Nerve Extractor. In packages of 12. Assorted sizes. Soft and half soft.....	per doz. 75
Triangular Barbed Nerve Extractors. In packages of 12, as above "	1.00
Nerve Cavity Pluggers. For Socket.....	" 75
Socket Handles for all the above. (See "Sockets.")	
Barbed Nerve Extractors. Plain and Triangular, with handles combined.....	per doz. 1.50
For illustrations of all the above, see this Number of the DENTAL COSMOS. (Advertisement.)	
Nerve Extractors. Square Handle. Bronzed.....	per doz. 2.00
Nerve Needles. Octagon Handle. Bronzed.....	" 2.40
Dr. Gates' Pulp Canal. A and B. (See Catalogue, page 71.) Square Handle. Bronzed.....	per doz. 3.00
Dr. Arrington's Nerve Extractors and Fang Fillers. Set of 24. Octagon Handle. Bronzed. (Catalogue, page 73).....	per doz. 3.00
Dr. Hunter's Nerve Canal Pluggers. A beautiful set of 12. Octagon Handle. Bronzed. (Page 72, Catalogue).....per doz.	3.60
Nerve Probes. Very soft. Octagon Handle. Bronzed.....	" 2.00
Dr. Palmer's set of 15. The old set.....	" 4.00
(As Dr. Palmer has superseded these, we will discontinue them when the present stock is exhausted.)	
Dr. Palmer's set of 21. Made from his own set, furnished only to us, and with his personal aid and approbation. Octagon Steel Handles. Uniform length, $6\frac{1}{2}$ inches. Bronzed.....	per set 8.00
The same, made as fac-similes of Dr. Palmer's own set in shape, length, and weight of each instrument.....	per set 20.00
At the urgent request of Dr. Palmer, made to us on his return from the Association at Saratoga, that the instruments bearing his name should conform truthfully to his, we have raised them to that standard, and the cost of doing so requires us to get the above prices. The "fac-simile" set are faithful copies of his all over. Our regular set of 21, $6\frac{1}{2}$ inch, Octagon, are like his in shank, point, and temper. These will be sold singly, as follows: Nos. 4 and 5, at 60 cents each; 6 and 7,	

at 50 cents each; 1, 2, and 3, at 45 cents each; 8, 9, 10, 14, and 16, at 40 cents each; 12, 13, 15, 17, at 30 cents each; 11, 18, 19, 20, and 21, at 25 cents each.

SOCKET INSTRUMENTS.

Our standard Cone Taper. All the Bits and Sockets made at any time fit accurately.

Socket Burs.....	per doz.	\$2.40
" Drills	"	2.00
" Excavators	"	2.00
" Pluggers (our Cone)	"	3.00
Dr. Goodwillie's selection of 25 Socket Chisels and Excavators.....	"	4.00
Dr. Wetherbee's selection of 9 Socket Excavator-Chisels.....	"	3.50
Spring Catch Socket Bits, to order.....	"	4.00

AUTOMATIC MALLET POINTS.

"Snow and Lewis." The regular set accompanying the Mallet is only 24, but our assortment has reached to about 60 points in Pluggers...per doz.	3.50
Large Condensers, bought separately, 12 cents each extra.	
"Snow and Lewis" Enamel Chisels, 6 in set.....	" 3.50
"Snow and Lewis" Points, in the rough.....	" 1.50
"Dr. Foote's" regular set of 20, and Abbott set of 20.....	" 3.50
"Salmon" Plugger Bits, to order.....	" 4.50

(Very much better than those supplied with the Plugger.)

Socket Plug Trimmers, and Socket Plug Finishing Files. See under that heading, per dozen, \$8 and \$4.

Parties ordering Socket Points of any description, other than our standard Cone, or regular makes named above, should send their Socket and one Point.

PLUG TRIMMERS AND PLUG FINISHING FILES.

(See Advertisement in this Number of DENTAL COSMOS.)

Dr. Searle's set of 6, with other forms added.

Socket Bits. Cut on one side.....	per doz.	3.00
" " Cut on more than one side.....	"	4.00
The same Points, with 5 inch Octagon Handle. Bronzed. Cut on one side.....	per doz.	3.50
The same, cut on more than one side.....	"	4.50

Plug Finishing Files. Useful, also, for separating and dressing edges of cavities. Same prices for same styles as above.

SOCKETS.

Nerve Bit-Holders, with Ring Slide. Ivory Handle.....	each	1.00
" " " " Steel Handle.....	"	.75
Merry's Drill. (See Catalogue, page 77).....	"	1.50
With 2 doz. Bits (which are \$1.50 per doz).....		4.50
*Ivory Revolving Head Sockets.....	each	2.25
*Goodwillie Steel Sockets. $\frac{7}{8}$. File-cut. Bronzed	"	.50
*Sockets. $\frac{1}{2}$ inch. File-cut. Bronzed.....	"	.50
*Goodwillie Small Ivory Handle.....	"	1.00
Full $\frac{3}{4}$. "	"	1.25
Short Revolving Head. Ivory. (See Catalogue, page 91).....	"	1.00
" " " Ebony. " " " "	"	.75

The above, marked *, are made to our standard Cone. Sockets made with other than Steel Handles are priced the same as "Pluggers," which see.]

REPAIRING AND POLISHING.

Repair and Polish Excavators and Burs.....	per doz.	\$0.75
" " Steel Handle Pluggers, Burnishers, and Scalers. "		1.50
" " Fancy " " " "	"	3.00
" " Nerve Instruments.....	"	1.50
" " Socket Plugger Bits.....	"	1.50
" " " Excavators.....	"	75
Polishing. Octagon and Oval Joint Forceps.....	each	50
Polishing and Repairing. Octagon and Oval Joint Forceps.....	"	75
" Gum Lancets.....	"	25
" Foil Shears. Steel.....	"	25 to 50
" " Fancy Handles.....	each	50 to 1.50
" Pluggers, Burnishers, and Scalers, in Fancy Handles..per doz.	1.50	
" File Carriers.....	each	50
" Wedge Cutters.....	"	50

NOTE.—Special repairs charged for in accordance with the work done.

Instruments made over into new forms, forged over, or wholly re-pointed, are considered "special." Making over, or changing the beaks of Forceps, is also "special."

LANCETS.

Gum Lancets, with First Quality Ivory Handle.....	each	1.00
" " Second " " "	"	75
" " Ebony Handle.....	"	60
" " Steel Handle. File-cut. Bronzed.....	"	50
Abscess Lancets. Octagon Steel. Bronzed. (See Catalogue, page 90.)..pair		75

POCKET LANCETS.

Real Tortoise Shell Handle. 1 Blade, without Spring.....	each	1.00
" " " with Stop.....	"	1.50

The remainder of the line of Pocket Lancets of our own make is not yet in stock, although in process of manufacture. We furnish those of other makes, as good as found in the trade, at Catalogue prices. (See Catalogue, page 50.)

PEARL HANDLE LANCETS.

Star Pattern. Carved on both sides. Gold-plated Ferrule. 2 Rosettes..each	4.00
Shell "	3.50
Dolphin "	3.35
Fish "	3.20
Dolphin "	3.20
Plain. Silver-plated Ferrule.....	2.00

FORCEPS.

Forceps. Extracting. First Quality.....	"	2.75
" Children's Octagon Joint. First Quality.....	"	2.50
" No. 66. Extra Heavy. Inferior Root. Incising, Separating, and Elevating.....	"	3.50
" No. 67. Extra Heavy. Superior Root. Incising, Separating, and Elevating.....	"	3.50
(See Special Advertisement in this Number of DENTAL COSMOS, about Nos. 66 and 67).....		
" Dr. Hullihen's. Octagon Joint.....	"	3.75
" Plugging.....	"	2.50
" Punch.....	"	2.50

Forceps. Punch. Improved. With Take-off.....	each	\$3.50
Wedge Cutters. (See Advertisement in this Number).....	"	2.75
Nipping Forceps. For cutting out Plate. (See Catalogue page 169). ..	"	2.50
Plate Benders. (See Catalogue, page 170).....	"	2.50

In the beginning of our Forceps manufacture, Mr. Coy desires to say that he committed two errors: 1st, in using a make of steel which was rejected for discovered faults in small instruments; 2d, in putting them out just hard enough to keep their edges without bending. Our regular steel is made to order from selected stock. It takes considerable time to get it out. We were over the steel trouble in a few months. Experience has proved that if Forceps can be broken, they will be broken—by which we mean that for general sale they must be made of a temper at which they will rather bend than break. All the Forceps of every maker which have come to us for repairs show bent edges and tips, and smoothed serrations.

Our Nos. 19, 18, 11, 9, and a few of 1, 2, and 3, were those in which most of the faulty steel and too high temper were issued. Many of these have been exchanged, and we request any customer who has suffered on such to claim an exchange. All our forceps, since discovering these faults, are tested, before polishing, far beyond the force which can properly be applied in use on the teeth which each is designed to extract. Any forceps with a visible flaw, or if repointed, are stamped 2D on the inside of handle, and such are sold at \$2. If the usefulness is impaired, they are stamped 3D, and sold for \$1. Buyer's risk on both.

STUMP EXTRACTORS.

(See Catalogue, page 47.)

Stump Extractors. Round Ebony Handle.....	each	75
" " Octagon "	"	1.50
" " " Ivory "	½ inch.....	2.50
" " " "	1 "	3.00
" " Round "	2.00
" " Watt's. " Handle.....	"	2.25

PLUG PLIERS.

Plug Pliers. 4½ inches. Ordinary.....	"	50
" 5½ inches. "	"	75
" 6 inches. Brass Ends.....	"	1.00
" 6 inches. Extra Large. Ger. Sil. Ends. Fine Finish...	"	1.50
" Mounted in Ivory and Shell.....	"	2.00
" in Pearl	"	3.00
" Dr. J. C. Conner's. Ivory Handle.....	"	2.50

SHELL AND PEARL-MOUNTED INSTRUMENTS.

Abscess Exploring Needles. Shell Handle.....	"	1.00
Bistouries, Curved and Tenotome Knife. Shell Handle.....	"	3.50

(See *Pluggers, Lancets, Plug Pliers, and Foil Shears.*)

PORTE POLISHERS.

The Universal. With Ring Slide, Straight and Aslant. (See Catalogue, p. 88.).....	each	1.00
Dr. Jack's Porte Polishers. Set of 3.....	per set	8.00

(Split, with Ring Slide. 1 Straight and 2 Slants. Each known by the Handle.)

Snakewood Handle. Straight.....	each	\$2.50
Ebony Handle. Aslant.....	"	2.50
Ivory Handle. Long Slant.....	"	3.00
Tube End Split Porte Polishers. Ebony Handle.....	"	1.50
Same. $\frac{1}{4}$ inch. File-cut. Bronzed	"	1.25

FILE CARRIERS AND HOLDERS, AND TAPE CARRIERS.

FILE CARRIERS.

Square Joint, like Forceps. Bright Steel, with Ring Slides. Straight.		
Each \$2.25. Bayonet Shape.....	each	3 00
Dr. Redman's. Reversible. Ivory Handle.....	"	5.00
The same. Ebony Handle.....	"	4.50
Dr. Forbes'. With Tightening Screw through the Handle. Holds any length of File. (See Catalogue, page 75.) Ivory Handle	each	3.00
The same. With Ebony or Fluted Bone.....	"	2.50
For Separating Molars. (See Catalogue, page 75.) With Ivory Handle..	"	3.00
The same. With Ebony or Fluted-bone Handle.....	"	2.50
Dr. Abbott's. A new design. 2 Angles each for Upper and Lower Filing.		
Ivory Handle	each	3.00
The same. Fluted Bone and Ebony Handle.....	"	2.50

FILE HOLDERS.

Dr. Abbott's. Separating File Holder. (New.) With Ivory Handle...each		2.50
The same. With Fluted Bone or Ebony.....	"	2.00
Dr. Conner's. Separating File Holder. (New.) With Ivory Handle. "		1.00
The same. Buffalo Handle.....	"	75
Tape Carriers. (See Catalogue, page 88.) With Ivory Handle.....	"	3.50
The same. Ebony Handle.....	"	8.00

SCISSORS AND FOIL SHEARS.

Fine Cast-steel Foil Shears. 9 inches.....	"	2.00
Fine Cast-steel Foil Shears. With Pearl Handles. Crocus Polished. Viz.:		
Bird Pattern. Gold-plated Ferrules.....	each	16.25
Scroll " " "	"	14.00
Dog " " "	"	12.50
Dolphin " " "	"	12.00
(See Catalogue, page 113.)		
Steel Scissors. Curved. For Trimming Gum.....	"	1.50
" Straight. For Cutting up Foil	"	1.00
" " " German make.....	"	50

SYRINGES.

Dental.

18 Carat Gold. Extra Heavy. 2 Pipes.....	"	30.00
Coin Silver. 2 Pipes.....	"	7.50
Vulcanized Rubber.....	"	1.00
" " " With Silver Pipe.....	"	1.50
18 Carat Gold Syringe Points	"	2.50
Coin Silver " "	"	50
Elastic Bulb. Electro-plated Mountings. (See Catalogue, page 79)...	"	2.50
" " " Electro-gilt " Improved.....	"	3.00

Hypodermic.

Glass Tube. German Silver Mountings. Graduated Rod.....	"	5.00
" " Brass Mountings. Graduated Glass	"	8.00

The foregoing Mountings are Silver-plated and have 2 Steel Pipes each, which are gilded. Each is put up in a Morocco Case. (See Advertisement in this Number of the DENTAL COSMOS.)

DUCT COMPRESSORS AND TONGUE HOLDERS.

Duct Compressors.	Dr. Smith's.	German Silver.....	each	\$7.00
" "	"	Brass.....	"	5.00
" "	Dr. Morrison's.	German Silver. Silver-plated...	"	5.00
" "	Dr. Smith's.	With both Chin-pieces. Ger. Silver	"	10.00
" "	" "	" " Brass.....	"	8.00

(See DENTAL COSMOS, December, 1869, for Advertisement, with Illustrations.)

Tongue Holder.	Flagg's	each	2.00
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MERCURY HOLDERS.

Single Top.	Vegetable Ivory.....	"	50
Double Top.	Boxwood and Ebony.....	"	50
Single Top.	Boxwood.....	"	25

(See Illustrated Advertisement in this Number of the DENTAL COSMOS, and Catalogue, page 86.)

SPATULAS.

Os-artificial.	Dr. Taylor's. Double End.....	each	75
"	Dr. Houghton's. "	"	75
(See Illustrated Advertisement in this Number of the DENTAL COSMOS.)			
Sand-moulding.	Double End.....	each	75
Wax.	No. 1. Ebony Mounted.....	"	75
"	2. Plain Centre.....	"	40
"	3. File-cut Handle.....	"	50
"	Round Double End.....	"	20

(See Catalogue, page 193.)

MALLETS.

Plugging.	Composition. Silver-plated. 2 sizes.	"	1.25
"	Patent Metal. " 2 "	"	1.25
"	Tin. 2 sizes. For Dr. Varney's Pluggers	"	1.25
"	Lignum-vitæ	"	25
"	Dr. Head's.....	"	75
"	Vulcanized Rubber. Ebony Handle.....	"	75
"	" " Snakewood Handle.....	"	1.00
"	Dr. Colburn's Spring Head	"	1.25
For Plate.	Horn.....	"	38
" "	Wood.....	"	20

BRACKETS.

S. S. White.	Extension. 2 Joints. Real Bronze. Without Tray.....	"	45.00
" "	" " " With Tray. Velvet Pad	"	50.50
" "	" Without Tray. Iron, imitation of Bronze	"	17.00
" "	" With " " " "	"	21.00
" "	3 " Without " " Open Work. "	"	9.00
" "	3 " With " " " "	"	12.00
Whitecomb's.	Zigzag. Silver-plated. Without Table.....	"	35.00
" "	Superior make. Silver-plated. Without Table	"	40.00
The same.	Japanned. Without Table.....	"	15.00

(See Illustrated Advertisements in this Number of the DENTAL COSMOS.)

LATHES.

Driving Wheel. The Dr Lawrence.	New Pattern.....	each \$18.00
" "	Extra Finish.....	" 25 00
Hand Lathes	The "Noiseless".	" 7.00
" "	Extra Quality. Ivory Handle.....	" 10.00
" "	The "Rattlesnake".	" 4.00
Lathe Heads.	The Dr. Lawrence. Brass.....	" 12.00
" "	The Dr. Lawrence. Iron	" 9.00
" "	The "Best." Bronze. Very Fine.....	" 18.00

(See Advertisement in DENTAL COSMOS for July, 1869.)

MEOHANICAL DENTISTRY.

Articulators. No. 1.	Dr. Smith's. Improved Pattern. New.....	" 1.00
" 2.	Pittsburg	" 2.50
" 3.	Starr's	" 3.00
Acid Pans. Copper.....		" 75
Anvils in Lead Base.....		" 1.75
" " Zinc " Dr. Head's.....		" 1.25
Burnishers. For Plate. Steel.....		" 50
Burs. Solder.....		" 75
Buttons and Attachments. For Spiral Springs. Gold.....	per set	2.50
Clasp Benders.....		each 1.75
Crucible Tongs. Scissors Handle		" 1.75
" " Iron. Spring Handle.....		" 50
" " Steel. With Joint.....		" 1.25
Flasks. Dr. Bailey's. For Metal Dies.....	per pair	'50
" " " "	per set	1.00
" Dr. Hawes' Moulding. Superior quality.....	each	3.00
Hammers. Riveting. With Handle. Six Sizes	"	60
Ladies. S. S. White's. Cast-iron. Large.....	"	50
" " " " Medium and Small	"	30
Moulding Rings. Dr. Austin's. (Nest of 4).....	per nest	75
" " " " (Nest of 2).....	"	50
Plate Cutters. Dr. Austin's	each	2.50
" Benders. Upper Plate.....	"	2.50
" " Lower "	"	2.50
Plate Scrapers.....	per doz.	4.50
Solder Tongs. 7 inch.....	each	45
" " 9 "	"	50
" " 12 "	"	60

FOR VULCANITE WORK.

Air Chamber Pattern. Thin.....	per doz.	25
" " " Thick.....	"	38
(See Advertisement in this Number of DENTAL COSMOS.)		
Vulcanite Burs. For Lathe.....	each	1.25
Round Faced. Steel. File cut Wheels. (See Catalogue, page 192.).....	"	1.25
Star Flasks. Reversible. Brass.....	"	2.00
" " " Iron.....	"	1.50
Flask Clamps. S. S. White's.....	"	2.00
Bolts and Nuts, for Star Flasks.....	"	12
Rubber Gauges. Starr's.....	"	1.25
Vulcanite. Packer's.....	per doz.	3.00

Vulcanite Scrapers. Ordinary.....	per doz.	\$3.00
" " Black Handle.....	each	50
" " Dr. Arrington's. White Handle	"	50
Wrench and Bed Plates for Whitney's Vulcanizer.....	"	1.00

MISCELLANEOUS.

Annealing Lamps. Complete.....	"	2.50
Amalgam Manipulators. See Catalogue, page 88.....	"	2.00
Bur Gauges. German Silver. Warranted true.....	"	1.00
" Steel. " "	"	1.25
Bur Thimbles. Steel.....	"	40
" Brass. Silver-plated. With Hinge.....	"	50
Creasote Appliances.....	"	75
Cheek Holders. Ebony Handle.....	"	2.00
Foil Knives. New. (See December, 1869, DENTAL COSMOS).....	"	1.25
Foil Carriers and Pluggers Combined. Octagon Handle.....	"	1.75
" " " Flat "	"	2.00
Gold Separators.....	"	50
Jack Screws. Regulating.....	"	1.25
Napkin Holder. Silver-plated Wire. Ebony Handle.....	"	2.00
Pivot Gauges. Steel.	"	50
" Ivory.....	"	1.00
Punches. For Cofferdam Rubber. $\frac{1}{4}$ inch. File-cut. Bronzed.....	"	50
" " " $\frac{1}{2}$ inch. Bone.....	"	1.00
Stands for Office Preparations.....	"	6.00
" " Gold Foil, with Glass Covers.....	each.	\$1.50 and 2.00
Turnkeys. Ebony Handle.....	each	2.50
" Ivory "	"	3.00
Trephine for Antrum.....	"	2.00

OPERATING CASES.

According to this Price List, Operating Cases enumerated in Catalogue, with all our best instruments, Forceps included, will be as follows:—

No. 1.....	each	\$312.00
No. 1, with $\frac{1}{2}$ inch Pearl Handle Instruments, instead of $\frac{1}{2}$ inch Cameo	"	362.00
No. 2.....	"	226.00
No. 2, with $\frac{1}{2}$ inch Pearl Handle Instruments, instead of $\frac{1}{2}$ inch Cameo	"	256.00
No. 3.....	"	191.50
No. 3, with $\frac{1}{2}$ inch Pearl Handle Instruments, instead of $\frac{1}{2}$ inch Cameo	"	221.50
No. 4.....	"	151.00
No. 5, with oval Joint Forceps.....	"	121.00
No. 5, " our best Octagon Joint Forceps.....	"	128.50
No. 6, " oval Joint Forceps.....	"	97.50
No. 6, " our best Octagon Joint Forceps.....	"	104.00
No. 7, " oval Joint Forceps.....	"	82.00
No. 7, " our best Octagon Joint Forceps	"	88.00
No. 8, " oval Joint Forceps.....	"	69.00
No. 8, " our best Octagon Joint Forceps	"	74.50
No. 9, " " " "	"	175.00

SAMUEL S. WHITE.

A PLAIN LINE OF BURS, DRILLS, AND EXCAVATORS.

We have been compelled to advance the price somewhat on our Burs, Drills, and Excavators. Made, shaped, polished, and bronzed, as our first-class instruments are, it is impossible to furnish them at the price which other manufacturers charge for inferior instruments. Ours not only *cost* more, but are abundantly worth the difference charged, to any operator who appreciates elegance of form and high finish in his instruments. Other manufacturers admit that, merely to polish their instruments as ours are, would necessitate an increase of price or loss of all profit. The fine bronzing we put on will, even when worn almost off, so as hardly to show, prevent the steel handles from soiling the fingers of the operator. High polish has great value on instruments exposed to saliva, blood, and the secretions of the skin, which are easily removed from them, but cost great trouble to clean from rough instruments.

To satisfy a demand, however, and demonstrate our ability and willingness to furnish our customers with articles as good for the money as any other manufacturer can, we have decided to make a *Plain Line* of the instruments named. They will be of the same external form and finish, and the variety as full as the regular stock of any other manufacturer; and, lacking the finish, will in other respects be equal to our first-class instruments.

The Trade-marks will stand thus  — the line between the two occupying the place of a number on the first quality instruments.

These will be put on sale at once at all our Depots.

SAMUEL S. WHITE.

OUR PATENTS.

We have stated in the chapter on "ARTIFICIAL TEETH," in this number, "that unscrupulous appropriation of all improvements and inventions, whether patented or not, has been the policy pursued by some in the trade."

While neither space nor the patience of the reader would permit a rehearsal of one-half of the instances which might be cited to sustain the assertion, it is due to ourselves, to the trade, and to the profession—many of whom may be ignorant of the facts—to specify three patents which in our judgment are constantly infringed and evaded by manufacturers and dealers.

"The manufacture of Mineral Teeth with pins having heads at their outer ends" is the claim of a patent granted to me Jan. 21, 1882.

The Tool-rack made and sold with the Snow & Lewis and the Salmon Automatic Pluggers, we consider to be infringements of Dr. Foote's patent, bought and owned by me. So also are the tools or points—they being the important combination part claimed in the patent. Substituting a hole and pin to perform the same office as the Slot and Notch, is plainly a mere mechanical equivalent, and as liable as a direct copy.

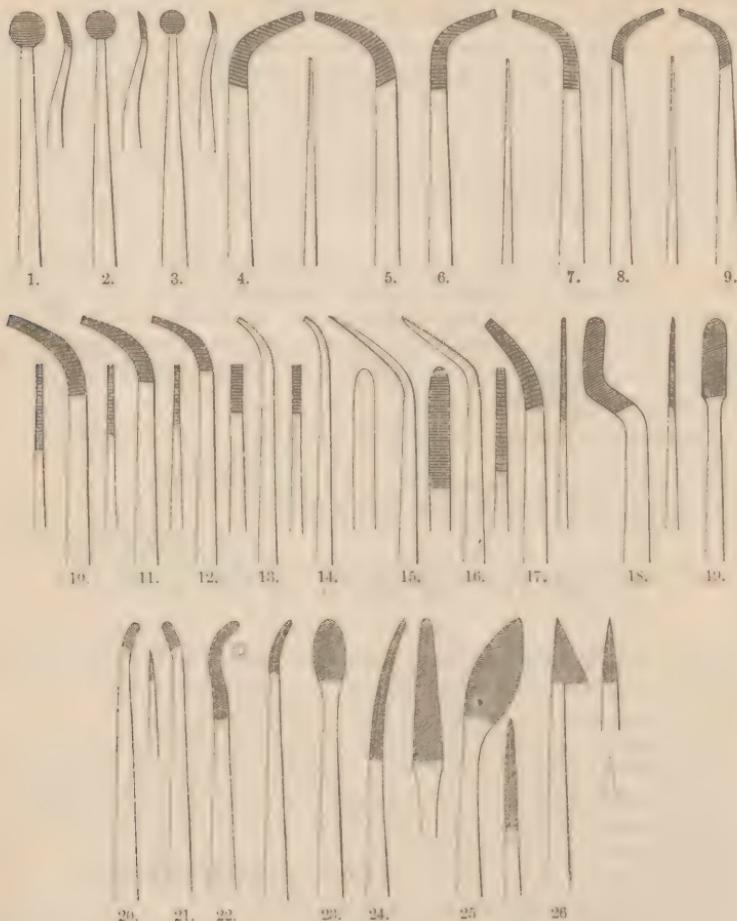
Dr. Gates' Drills are patented by him, and I am the sole and exclusive licensee under the patent, and pay a royalty per dozen for the right to manufacture them. Any Gates Drills or Bur Drills made, sold, or used by others, which are not our make, infringe this right, and rob the patentee.

The recognition of our lawful claims in these matters would not raise the price of the goods or in any way affect the dentist; it would only restrain others from using what they have neither invented nor paid for, do not own, and have no right (moral or legal) to make or sell.

SAMUEL S. WHITE.

(23)

PLUG TRIMMERS AND PLUG FINISHING FILES.



The above Cuts represent a line of Tools recently introduced by us.

The series to No. 19 is float cut and an extension of the set originated by Dr. F. Searle, who kindly furnished us with his set of 6.

We are constantly adding approved forms to our stock.

Nos. 1, 2, 3, 18, and 19 are also made fine file-cut, for finishing up with. The series from No. 20 to 26 inclusive are made from a selection by Dr. Jack. These are fine file-cut only. The sizes and shapes will commend them as a very complete set.

We make them all as Socket Bits and also as 5 inch Octagon-handled Instruments.

PRICES OF THE ABOVE.

Socket Bits. Cut only on one side,.....	per doz.	\$3.00
" " Cut on more than one side.....	"	4.00
Octagon Handle. Bronzed. Cut only on one side.....	"	3.50
" " Cut on more than one side.....	"	4.50

NOTE.—Nos. 1 to 9, and 13, 14, 15, 16, 20, and 21 are cut only on one side. The other Nos. are always cut on more than one side.

SAMUEL S. WHITE.

BARBED NERVE EXTRACTORS.

The Cuts illustrate four varieties of these Instruments.

Fig. 1 shows an Ivory Handle Broach Holder with Ring Slide.

Price..... \$1.00

Extractors put up in packages of one dozen,
assorted sizes, soft and half soft..... 75

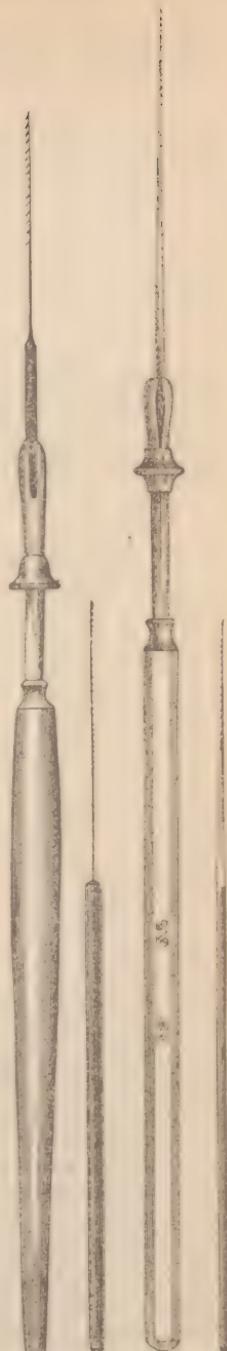


Fig. 2 shows Extractors with Steel Shank of proper length to serve for a handle.

In packages of one dozen, soft and half soft.

Price..... \$1.50

Fig. 3 represents a Steel Handle Broach Holder with Ring Slide.

Price..... \$0.75

Triangular Extractors, in packages of one dozen, assorted sizes, soft and half soft..... 1.00

Fig. 4 represents a Triangular Extractor with Steel Shank of proper length to serve for a handle.

In packages of one dozen, soft and half soft.

Price..... \$1.50

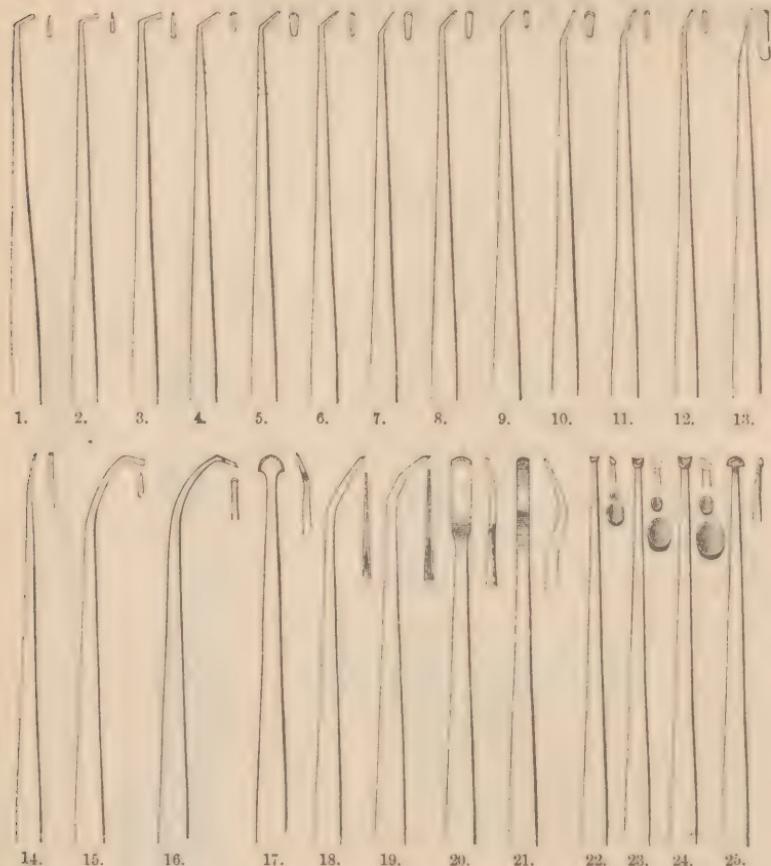
These Extractors are very delicately and beautifully barbed; the triangular forms tapering from the barbed end.

SIZE OF EACH SHOWN BY THE CUT.

FIG. 1. FIG. 2. FIG. 3. FIG. 4.

SAMUEL S. WHITE.

SET OF EXCAVATORS.



These cuts represent twenty-five of the most approved points.

Nos. 1 to 3 are ordinary hatchet shape. Nos. 4 to 12 are hoes for scraping or draw cutting, which gives less pain than the direct or push-cut, and is equally expeditious. Nos. 13 and 14 are chisel form. No. 15 hatchet, and No. 16 hoe, for posterior surfaces in molar teeth. Nos. 17, 20, and 21, enamel chisels. Nos. 18 and 19, for trimming between the teeth. Nos. 22 to 24 are useful in opening crown cavities and rounding the angles of sulci in lower molars. No. 25 is a new form of burnisher for approximal surfaces.

These instruments, being extremely hard, will cut with less than the usual pressure. Care, however, should be used, in sharpening, not to diminish the angle of the edge, or it will be liable to chip.

They are of the very best quality, and warranted in every particular; made of $\frac{5}{8}$ inch octagon cast steel, 6 inches in length, bronzed handles.

Price, per dozen	\$3.60
" " set.....	7.50

SAMUEL S. WHITE.

DR. W. C. HEAD'S SET OF PLUGGERS.

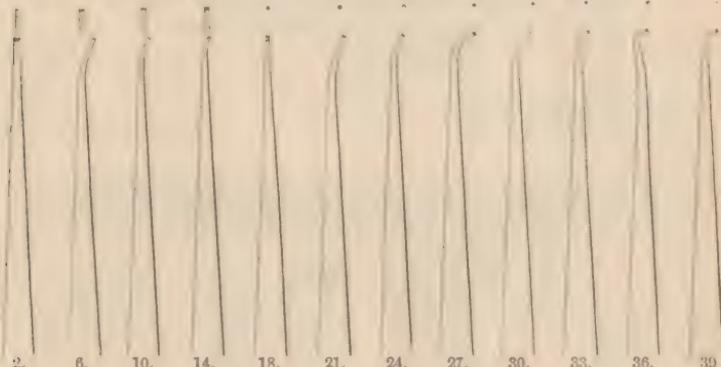


Dr. Head describes them as follows: "These pluggers are best suited for filling with gold foil prepared in mats or ribbons folded in short pieces, but will be found useful with gold prepared in any other manner."

"Nos. 4 to 9 are also well adapted to the use of sponge or plastic gold and tin foil.
Of $\frac{3}{16}$ in. oct. cast steel, plain taper handle, 6 in. long, bronzed per set \$4.50
Of $\frac{3}{16}$ in. oct. cast steel, file-cut taper handle, 6 in. long, bronzed....." 5.50

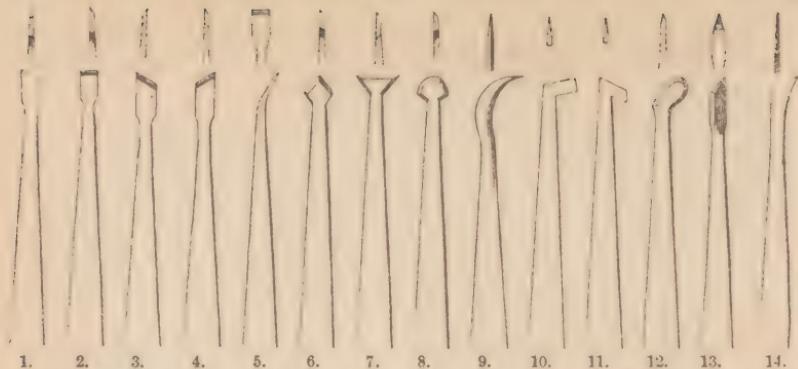
SMALL PLUGGERS.

Points run uniformly. 3 sizes each pattern, cut representing medium size.



Steel Handles, Octagon, taper, per doz.....	\$4.00
" " " file-cut, per doz.....	5.00

SAMUEL S. WHITE.



SCALERS.



DR. B. F. ARRINGTON'S

SET OF

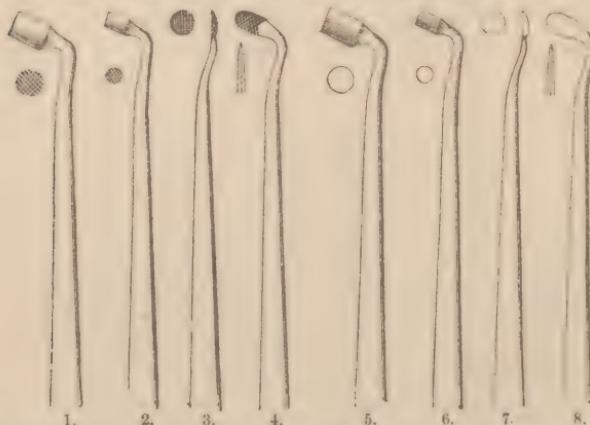
ENAMEL CHISELS AND SMALL SCALERS.

They are of the very best quality and warranted in every particular. Made of $\frac{7}{32}$ inch Octagon Cast Steel, 6 $\frac{1}{2}$ inches in length, Bronzed Handles.

Price per dozen.....	\$4.00
----------------------	--------

" " set.....	6.00
--------------	------

SAMUEL S. WHITE.

DR. B. F. ARRINGTON'S SET OF AMALGAM PLUGGERS.
ROUGHENED AND SMOOTH SURFACES.

These Instruments are adapted to the use of Amalgam, S. S. White's Gutta-percha Filling, and Hill's Stopping.

Of $\frac{7}{32}$ in. Oct. Cast Steel, 6 in. long. Bronzed Handles.....	per set \$3.50
---	----------------

Of $\frac{1}{4}$ inch, File-cut Handles, Ball Ends.....	" " 4.40
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For a set of 12 Amalgam Pluggers, which gives some additional forms and surfaces, see Catalogue, page 60.

SAMUEL S. WHITE.

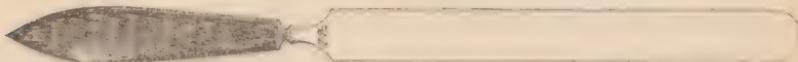
DR. J. C. CONNER'S FILE CARRIER.



Ivory Handle.....	\$1.00
Buffalo "	75

SAMUEL S. WHITE.

FOIL SPATULA.



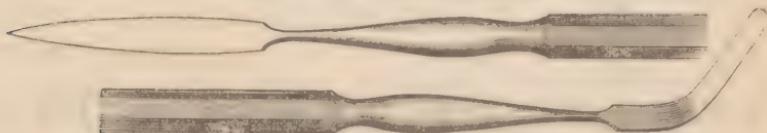
A neat and convenient instrument for the manipulation of Gold Foil. The blade is 6 inches in length by $\frac{1}{8}$ of an inch wide, made of best quality steel, spring temper, with an ebony handle $8\frac{1}{2}$ inches long.

Price.....	\$1.25
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SAMUEL S. WHITE.

DR. HOUGHTON'S SPATULA

FOR OS-ARTIFICIEL AND OTHER PLASTIC FILLINGS.



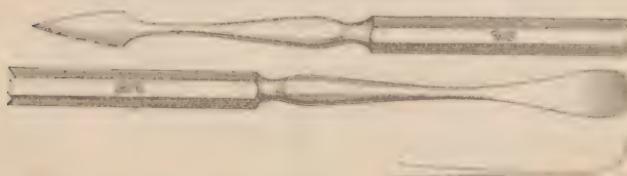
The cut represents a new instrument for the manipulation of Plastic Fillings. Made of best quality steel, double end, thin blades, spring temper.

Price.....	75 cents.
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SAMUEL S. WHITE.

DR. U. D. TAYLOR'S SPATULA

FOR OS-ARTIFICIEL AND OTHER PLASTIC FILLINGS.

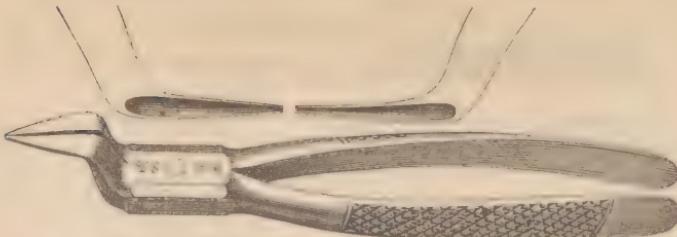


A new instrument for the manipulation of Plastic Fillings. Best quality.

Price.....	75 cents.
------------	-----------

SAMUEL S. WHITE.

ROOT FORCEPS.



No. 65. Forceps (bayonet shaped) for the extraction of difficult Roots in the Upper Jaw and Roots of Front Teeth in the Lower Jaw.

Octagon Joints, extra quality.....per pair \$2.75

SAMUEL S. WHITE.



ELECTRO-PLATED SYRINGES.

WITH

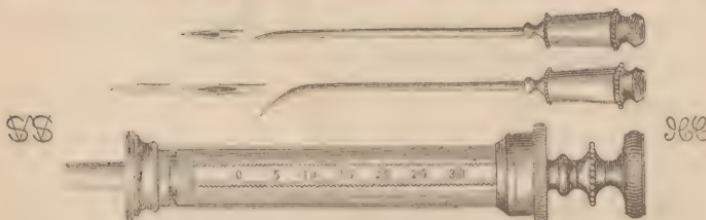
ELASTIC BULB.

A SUPERIOR ARTICLE.

Price..... \$2.50

SAMUEL S. WHITE.

HYPODERMIC SYRINGES.



The Cut represents the full size of this convenient little Instrument, with Graduated Rod and 2 Steel Points of the most approved shapes for Hypodermic Injections.

They are made of German Silver, Silver-plated. Points of fine Steel, tempered and electro-gilded.

Price, in a neat Morocco Case.....each \$5.00

We have also a less expensive Instrument, of the same size, Graduated on the Glass instead of on the Rod, made of Brass, Silver-plated, with 2 Steel Points, the same as shown in Cut.

Price, in a neat Morocco Case.....each \$3.00

SAMUEL S. WHITE.

HEAVY PLUG PLIERS.



Are, as represented in Cut. 5½ inches long: large, round, and heavy End, for protection to the palm of the hand in filling; mounted with Ivory; handsomely finished. The Points in the Cut are serrated, but we also make them without serrations, to be used in cylinder fillings.

Priceeach \$2.50

WEDGE CUTTER.

The Wedge for separating is now so frequently used that an Instrument is needed to cut off the excess of wood after it has been driven between the teeth. It is applicable both to the inside and outside of the jaw; is of polished steel, and in all respects a beautiful and practical Instrument.

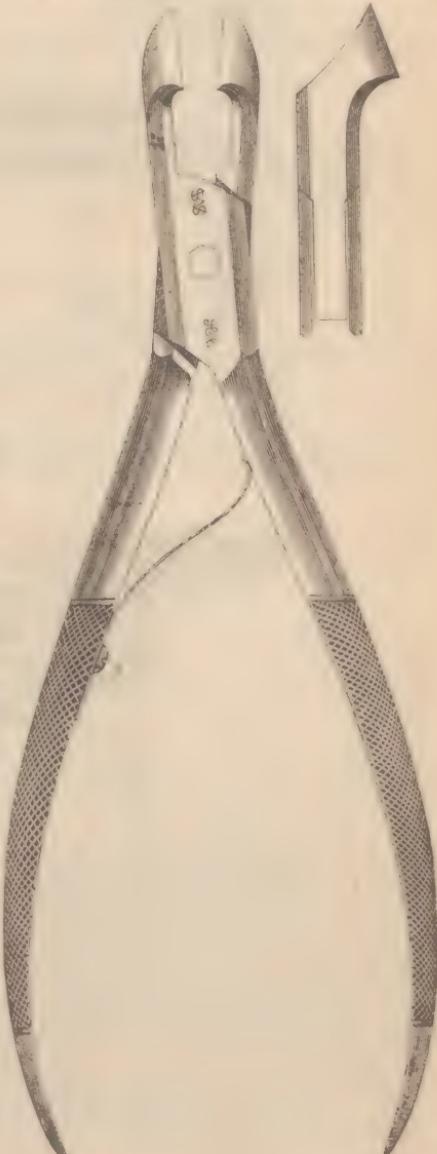
As we make them and offer them to the profession now, they will cut off the end of the Wedge square and smooth, leaving nothing to trim.

Two sizes are made.

No. 1, as represented in cut.

No. 2, smaller, 5 inches in length.

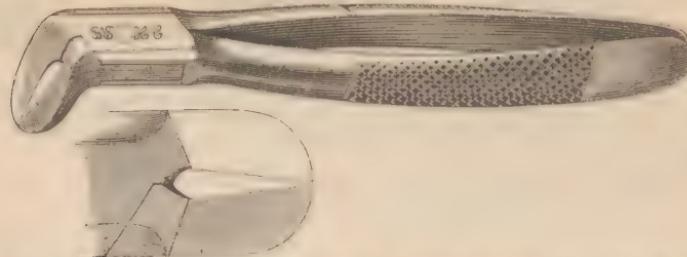
Price.....each \$2.75



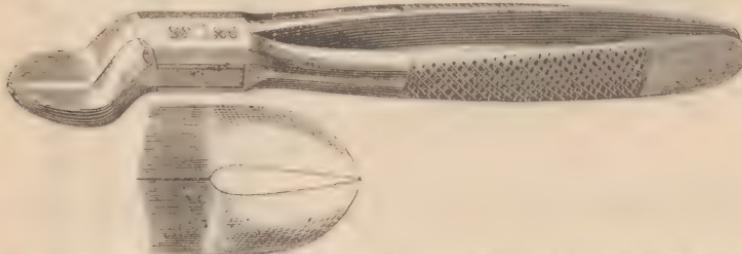
SAMUEL S. WHITE.

SEPARATING AND ELEVATING FORCEPS.

(PATTERNS FURNISHED BY DR. T. C. STELLWAGEN.)



No. 66.—Inferior combined Root, Incising, Separating, and Elevating Forceps.

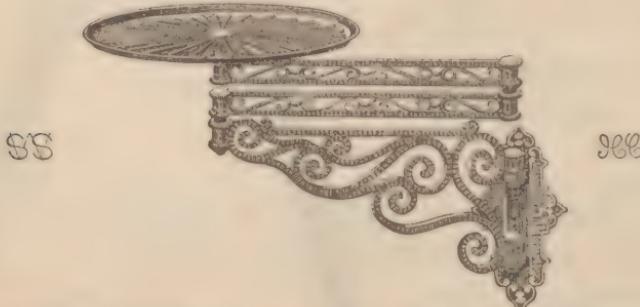


No. 67.—Superior combined Root, Incising, Separating, and Elevating Forceps.
Octagon Joints, Extra Heavy, best Quality.....per pair \$3.50

SAMUEL S. WHITE.

EXTENSION BRACKET.

NEW DESIGN.



The Engraving represents the "S. S. White" Cast-iron Extension Bracket, with three Joints or Arms, measuring 16 inches each in length.

The Tray is made of Brass, 12½ inches in diameter, with a stationary Rim.

These Brackets are designed to be attached to the wall or woodwork of the operating-room.

The patterns of this Bracket have been carefully revised and partly renewed, and are now strong and free from defects.

It is light, neat, and convenient, and its three flexions, with its great extension, make it easy to place it just where desired in operating.

The Joints are made with Coned Steel Pins, and Nuts to draw them down as they wear.

They are painted Dark Brown, relieved with Bronze.

Price, complete with Tray.....\$12.00

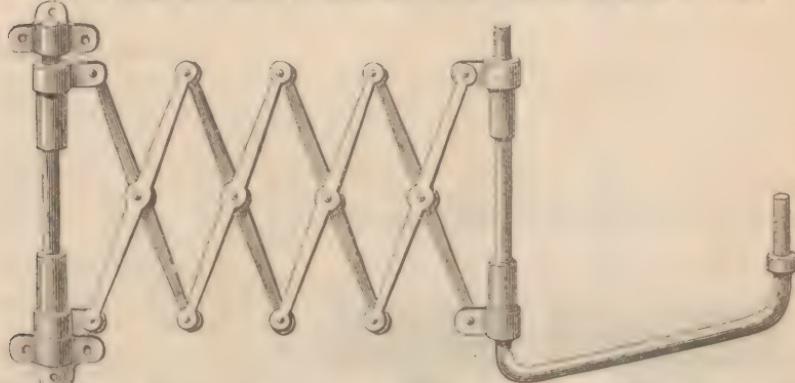
SAMUEL S. WHITE.



This Bracket was gotten up expressly for those who wish to have a fine, handsome, and tasty fixture which will bear very heavy weight. It was designed for holding a tray which, with instruments, weighed 30 lbs., and to extend at any angle or flexure without injury under that weight, when made of Bronze. Since the first Cut in Catalogue, page 131, the patterns have been entirely renewed and very much improved. We make them in Iron, painted imitation of Bronze, with Brass Trimmings, and in real Bronze, very finely finished, with Gilded and Silver-plated Trimmings of more style than those in this Cut, which has been made from an Iron Bracket. The Joints at both main and small arm flexions are made with Coned Steel Pins and Friction Washers, which can be tightened as they wear, and, with proper attention, will last a lifetime.

We have never seen a Bracket which at all compares with it in beauty or merit.
Length, extended, to centre of Tray, 31 inches.
Price, Iron, Imitation Bronze..... \$17.00
" Real Bronze, Silver-plated or Gilded Trimmings..... 45.00
We make, to order only, a third Arm for the Real Bronze Bracket, extra.. 10.00
Trays made of Brass, Scolloped, Raised Rim, strengthened by Ribs underneath.
Price..... \$4.00. With Velvet Pad..... \$5.50

ZIGZAG EXTENSION BRACKETS.



The above Cut exhibits Whitecomb's Zigzag Bracket. The right to make these having come into our exclusive possession, we have rejected all the old patterns, and made new, exact, and well-proportioned ones.

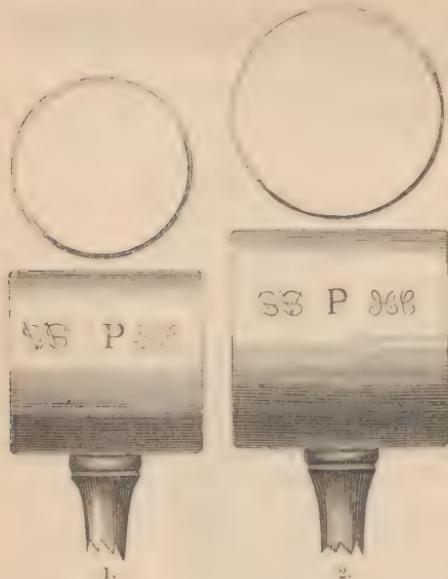
Those who have only examined the former make will be surprised to see how nicely these move, and yet how rigid they are at every point of their extension. These qualities could only be gained, in such an article, by the utmost exactness, fineness, and closeness of workmanship, with special tools fitted for their manufacture.

The length, extended fully, is 44½ inches to centre of Tray.
No. 3, Japanned, with Decorations..... each \$15.00
No. 2, Silver-plated..... " 85.00
No. 1, Selected Bars, very fine, Silver-plated..... " 40.00

The above prices are for the Bracket without Table.
Octagon Tables with Drawers. See Catalogue, page 131..... " 20.00

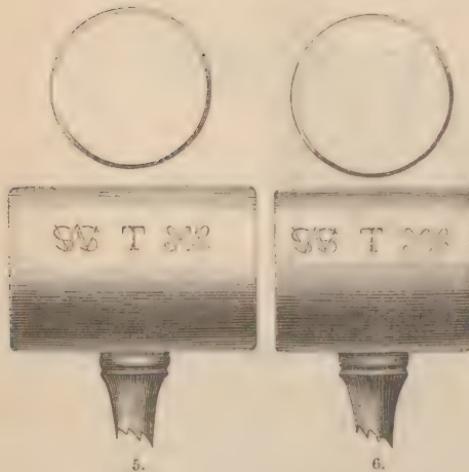
SAMUEL S. WHITE.

PLUGGING MALLETS.



Price.....each \$1.25

PURE TIN PLUGGING MALLETS.



Price of each.....\$1.25

All the above are made with handles of the choicest Heart Hickory, and made oval in the palm-hold.

SAMUEL S. WHITE.

S. S. WHITE'S GUTTA PERCHA FILLING.

After considerable experimentation, we offer
A SUPERIOR ARTICLE OF
PREPARED GUTTA PERCHA,
TOUGH AND DURABLE,
FOR FILLING TEETH.

There are two varieties: No. 1, light colored and strong, suitable for cavities in front teeth; No. 2, darker colored, and well adapted to cover temporarily applications for sensitive dentine, and for devitalizing pulps.

These preparations require much less heat to adapt them for use than any other filling of the kind which is in the market.

Care should be taken not to carry the heat beyond what is required to secure the requisite plasticity.

Put up in half ounce packages.

Price per Half-ounce Package, No. 1.....	\$1.50
" " " " No. 2.....	1.00

A LIBERAL DISCOUNT TO DEALERS.

SAMUEL S. WHITE.

COMPOSITION FILLINGS AND METALS, ETC.

Oxychloride of Zinc.

Put up in $\frac{1}{4}$ oz. glass-stoppered bottles, with accompanying directions. (Postage free.) Price.....	\$1.00
--	--------

Os-Artificial.

Put up in $\frac{1}{4}$ oz. packages, with full directions. (Postage free.) Price.....	1.00
--	------

Hill's Stoping.

In oz. and $\frac{1}{2}$ oz. packages. (Postage 9 and 6 cents.) Per oz.....	5.00
---	------

S. S. White's Gutta Percha Fillings.

No. 1. Per $\frac{1}{2}$ oz. package.....	1.50
No. 2. " "	1.00

Dr. C. Kellnitz's Plastic Diamond Cement.

Price $\frac{1}{4}$ and $\frac{1}{2}$ oz. packages.....	\$0.75 and 1.50
---	-----------------

Weston's Metal.

For Dental Plates. Put up in 1, $\frac{1}{2}$, and $\frac{1}{4}$ lb. packages, with full directions accompanying. Price per lb.....	6.00
--	------

Walker's Excelsior Base.

For Artificial Dentures. Sold in any quantity desired, with full directions accompanying. Price per lb.....	6.00
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<i>Arrington's New Amalgam.</i> Per oz.....	4.00
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<i>Townsend's Amalgam.</i> Per oz.....	2.00
--	------

<i>Townsend's Amalgam. Improved.</i> Per oz.....	3.00
--	------

<i>Lawrence's Amalgam.</i> Per oz.....	8.00
--	------

<i>Walker's Excelsior Amalgam.</i> Per oz.....	4.00
--	------

All the above will be supplied to dealers at manufacturers' rates.

SAMUEL S. WHITE.

GOLD FOIL, CRYSTAL AND PLASTIC GOLD, ETC.

PRESENT PRICES OF GOLD FOIL.

S. S. WHITE'S	\$5.25 per $\frac{1}{4}$ ounce.
	{ 40.00 per ounce.
Watts' and Abbey's.....	44.00 per ounce.

Received regularly from the Manufacturers, and sold at *Manufacturers' Prices*, by the ounce or $\frac{1}{4}$ ounce, and will be furnished as fresh as though obtained direct from the Manufacturer.

GOLD FOIL.

	Nos.
Charles Abbey & Sons' Soft Foil.....	4, 5, 6
" " " Adhesive Foil.....	4, 5, 6
Watts' Crystal or Adhesive Foil.....	2, 3, 4, 5, 6
" " " Soft Foil.....	4, 5, 6
Atkinson's Adhesive Foil.....	3, 4, 5, 6
S. S. White's Soft Foil.....	3, 4, 5, 6, 8
" " " Adhesive Foil.....	4, 5, 6
M. M. Johnston & Co.'s Soft Foil.....	3, 4, 5, 6
" " " Adhesive Foil.....	2, 3, 4, 5, 6
J. M. Ney & Co.'s Adhesive Foil.....	4, 5, 6
E. G. Kearsing & Bro.'s Soft Foil.....	4, 5, 6
" " " Adhesive Foil.....	2, 3, 4, 5, 6
E. Kearsing's Adhesive Foil.....	3, 4, 5, 6
William Valleau, Jr., & Co.'s Adhesive Foil.....	3, 4, 5, 6
Hastings & Co.'s Semi-Adhesive Foil.....	4, 5, 6
J. B. Dunlevy's Foil	4, 5, 6
Morgan's Plastic Gold.....	
Watts' Crystal or Sponge Gold	1, 2, 3, 4
E. G. Kearsing & Bro.'s Fibrous Gold.....	1, 2, 3
" " " Shredded Gold.....	1, 2, 3

SAMUEL S. WHITE.

MORGAN'S PLASTIC GOLD.

MANUFACTURED FOR SAMUEL S. WHITE.

Price per $\frac{1}{4}$ oz..... \$5.50

TRADE SUPPLIED AT THE USUAL DISCOUNT.

SAMUEL S. WHITE.

DENTAL PRACTICE, OFFICE, AND FIXTURES FOR SALE,

In a growing, healthy town of 2500 inhabitants; good schools, male and female, good society, and a paying practice. A good location for a man who has children to educate. Terms, \$4000 cash. For particulars, address

F. T. GRIMES, D.D.S.,

Dec. '69.—2m.

LIBERTY, Mo.

SS DOUBLE-TOP MERCURY HOLDER. SC

For convenient preparation of Amalgam. The Cut represents the size of the Holder, which will contain two ounces of Mercury. It has two apertures, one for filling the Holder with mercury, and the small opening to allow it to escape in a fine stream. The screws being well cut, the joints fit accurately. The Cap prevents the escape of the Mercury.

Holder of Ebony or Boxwood..... \$0.50
" filled with redistilled mercury... 70

SAMUEL S. WHITE



NEW AMALGAM.

A beautiful and excellent preparation for filling teeth. For this new combination of metals (chemically pure) for dental purposes, great superiority is claimed over ordinary Amalgams. It will remain bright for years, and, *when used according to directions*, will preserve teeth more perfectly than any article in use, except gold; and under many circumstances can be successfully used for the permanent preservation of teeth when gold would prove a failure in the hands of a large majority of operators.

The process of combining and purifying the metals is such as to guarantee comparative freedom from the tarnish of fillings, or discoloration of teeth, so often observed from the use of ordinary Amalgam. Ten years' experience with it in the hands of some of the most skillful members of the profession has proved its excellence. The increasing demand for a reliable Amalgam has prompted the introduction of this article, with the confidence that it will give entire satisfaction to those who use it rightly.

To manufacture a superior Amalgam, always uniform in quality and texture, at a moderate cost, it is necessary to make it in large lots, and by the aid of machinery. It is also necessary that each lot be thoroughly tested by a competent Dentist before offering it for sale. The inventor has made such arrangements for its manufacture as to enable him to guarantee the reliability of every package.

To meet the wants of different operators, two grades of the New Amalgam were manufactured (fine and medium coarse).

Hereafter but one grade will be put up, which will consist of the two grades combined, and will only be put up in *half* and *one-ounce* packages, with circular of instructions accompanying each, with trade-mark of manufacturer on each package and circular.

Retail Price, per oz..... \$4.00

A LIBERAL DISCOUNT TO DEALERS.

MANUFACTURED BY DR. B. F. ARRINGTON.

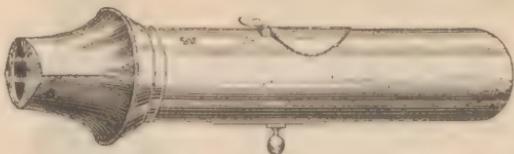
All orders, wholesale or retail, will be filled by the undersigned, at his Depots.

Jan. '70.—3m.

SAMUEL S. WHITE.

(37)

DR. F. R. THOMAS' NITROUS OXIDE GAS INHALER.



This inhaler is made of metal, silver-plated, has two valves—one for inhaling and the other for exhaling—sufficiently large to allow natural respiration; it also has a slide to close the inhaling-valve, thus preventing the escape of gas. Entire length of the instrument, six inches. Price \$10.00.

SAMUEL S. WHITE.

\$S

FELT CONES.

HC

A new and desirable article for polishing, made in the same forms as Rubber and Cork Cones. These are our own make and of our best Felt. From $1\frac{1}{2}$ inches to 2 inches long, and 1 inch to $1\frac{1}{2}$ inches diameter.

Price, all sizes each 40 cents.

SAMUEL S. WHITE.

FUSED NITRATE OF AMMONIA.

We ask especial attention of the profession to this article, manufactured expressly for our sales, and which we can commend for its purity.

Price, in 1 lb. paper.....	60 cents per lb.
" " 5 " boxes.....	60 " "
" " 10 " "	60 " "
" " 25 and 50 lb. boxes.....	50 " "

GRANULATED AMMONIA AT THE SAME PRICES.

A LIBERAL DISCOUNT TO THE TRADE.

We will furnish Nitrate of Ammonia of the cheaper kinds, when especially ordered, at the market prices: but as much of that offered contains free nitric acid, and is otherwise impure, we do not keep it on hand.

SAMUEL S. WHITE.

ROSEWOOD HAND MIRRORS.

A SUPERIOR ARTICLE.

OUR OWN IMPORTATION.

Plate glass, 4½ inch	each	\$0.75
" 5 "	"	85
" 5½ "	"	1.00
" 6 "	"	1.25

Liberal discount to the trade.

SAMUEL S. WHITE.

R U B B E R .

SUPERIOR DENTAL GUM. Manufactured by Samuel S. White.—The attention of the Dental Profession is invited to the new preparation of Rubber for Dental Plates. This is believed to be equal to any offered for sale, and is of a better color, when properly vulcanized, than most of that heretofore sold.

There are two varieties, Nos. 1 and 2, the latter being lighter in color than No. 1.

Price per pound for either variety \$2.50

A SUPERIOR ARTICLE OF GUTTA PERCHA. Manufactured by Samuel S. White.

Price per pound \$2.00

A liberal discount made to the trade.

A MERICAN HARD RUBBER COMPANY'S GUM OR VULCANITE. Per pound..... \$2.50

For sale at Manufacturers' prices.

ENGLISH RUBBER, Pink, White, and Black. The following varieties, *at reduced prices*:-

Pink Dental Rubber (deep), No. 1x.....	\$10.00
Do. do. (pale), No. 1.....	10.00
*S P do. do.	8.00
White do. do.	8.00
Black do. do.	8.00

* This Rubber, though inferior in color to the other Pink Rubbers, is much stronger, and by coating the more exposed parts with the No. 1 Pink Rubber, a very strong piece can be made with but a slight difference between the colors of the two kinds of Rubber used in its construction.

The above are supplied in 1 lb. and ½ lb. sealed packets, with directions for Vulcanizing.

COFFER DAM RUBBER. Introduced by Dr. S. O. Barnum.—Just received, a supply of a new manufacture of this article, of a superior quality to any heretofore in the market, and which it is hoped and believed will not deteriorate by age, as that formerly sold was liable to do. For sale in quantities to suit purchasers. It should be well washed in warm water and soap before using, and exposed to the air, when the odor of the sulphur rapidly disappears.

Price, per yard..... \$4.00
" oz..... 50

SAMUEL S. WHITE.

A TREATISE
ON THE
DISEASES AND SURGERY
OF THE
MOUTH, JAWS,
AND
ASSOCIATE PARTS.

BY

JAMES E. GARRETSON, M.D., D.D.S.,

LATE LECTURER ON ANATOMY AND SURGERY IN THE PHILADELPHIA SCHOOL OF ANATOMY; LATE
PROFESSOR OF THE PRINCIPLES AND PRACTICE OF GENERAL SURGERY IN THE PHILA-
DELPHIA DENTAL COLLEGE; MEMBER OF THE PHILADELPHIA PATHOLOGICAL SOCIETY;
MEMBER OF THE ODONTOGRAPHIC SOCIETY OF PENNSYLVANIA, ETC. ETC.

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DENTIST'S POCKET DIARY
AND
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FOR THE PURPOSE OF

REGISTERING APPOINTMENTS FOR DENTAL OPERATIONS.

This is a very convenient office or pocket companion. The pages are ruled to allow for 10 appointments for each secular day for 54 weeks, and, being without date, is good for any time. Several pages for Memoranda are added, and a Calendar for four years, from Jan. 1870 to Jan. 1874.

Price, in flexible cover, gilt edge.....	\$1.00
" " " marble edge, with pocket and tuck.....	1.12
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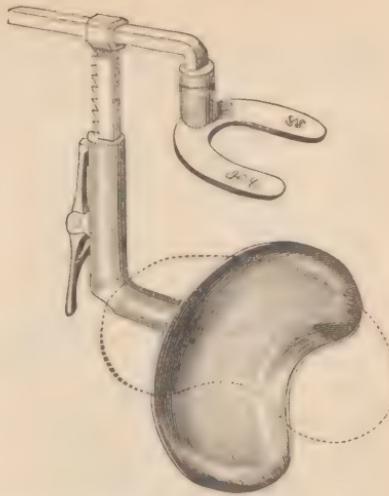
SAMUEL S. WHITE.

TONGUE HOLDER AND DUCT COMPRESSOR.

No. 1.



No. 2.



For this modification of a very useful instrument, we are indebted to Dr. P. T. Smith, of Tipton, Iowa.

By its use the tongue may be clamped down in place and kept in position as long as desired. The sublingual and submaxillary ducts may be very effectually closed by placing upon them rolls or pads of bibulous or tissue paper before applying the Compressor; a pad of paper or a napkin should be placed on the tongue before applying the instrument. The use of it is a relief to patients rather than a discomfort, holding the tongue entirely out of the way during an operation, without requiring a constant effort on their part. It possesses all the advantages of the Hawes Compressor, and the additional convenience of a lateral and sliding motion of the Compressor and a lateral motion of the chin-plate, by which the post can be placed at either side out of the way of the operator.

The chin-plate of No. 1 is 2 inches long by $1\frac{1}{2}$ inches wide.

The chin-plate of No. 2 is $2\frac{1}{2}$ inches long by $1\frac{1}{2}$ inches wide.

The stationary part of the post of both is $1\frac{3}{8}$ inches long, and can be extended to $2\frac{3}{8}$ inches by the ratchet and stop.

The Compressor has a sliding motion of $1\frac{1}{2}$ inches.

PRICE.

BRASS, SILVER-PLATED.

No. 1, chin-piece concave shield-form, padded with velvet.....	\$5.00
No. 2, shaped to fit the chin front or sideways, plain burnished.....	5.00
With both patterns of chin-plate.....	8.00

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No. 1, chin-piece concave shield-form, padded with velvet.....	7.00
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SAMUEL S. WHITE.

A L U M I N I U M .

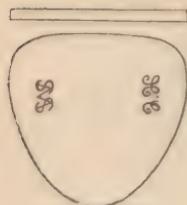
A SUPERIOR ARTICLE, IN PLATE.

Per oz., cut square..... \$3.00

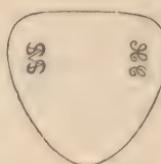
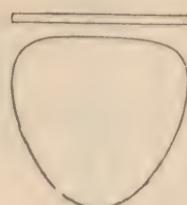
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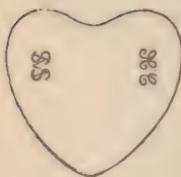
METALLIC AIR-CHAMBER PATTERNS.



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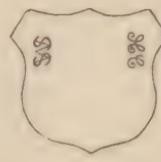
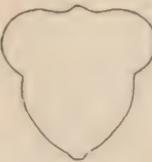
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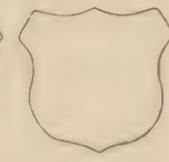
4.



5.



6.



We invite attention to the above Patterns. They are made from new dies, and special care has been taken to avoid sharp edges and angles.

The fact, however, which gives them value over those heretofore in the market, is that they are made of

METAL THAT WILL NOT BLACKEN THE RUBBER.

This has been a grave objection against their use, but is entirely overcome in these.

Of each style there are two thicknesses, represented by the lines over Fig. 1.

They are made so well, and offered at such a price, that no one, after using them, can afford to cut his own Patterns.

Both sides of each style are shown in the Cuts.

Price, Thin.....per doz. 25 cents.

" Thick..... " " " 38 "

SAMUEL S. WHITE

PREPARATIONS FOR OFFICE AND LABORATORY.

Tincture of Myrrh.	8 oz. bottles.....	\$0.75
" of Catechu.	8 oz. bottles.....	.60
" of White Oak Bark.	8 oz. bottles.....	.40
" of Krameria.	8 oz. bottles.....	.60
" of Arnica.	4 oz. bottles.....	.85
" of Calendula.	4 oz. bottles.....	.85
" of Capsicum.	2 oz. bottles.....	.25
" of Aconite Root.	1 oz. bottles.....	.20
Wine of Opium.	2 oz. bottles.....	.50
Glycerin.	8 oz. bottles.....	.75
Chlorate of Potassa, pulverized.	8 oz. bottles.....	.70
Soda Hyposulphite.	1 pound bottles.....	.80
" Sulphite.	½ pound bottles.....	.25
" Bisulphite.	2 oz. bottles.....	.35
Tincture of Iodine.	1 oz. glass-stoppered bottles.....	.25
" " Colorless.	1 oz. glass-stoppered bottles.....	.25
Saturated Solution Iodine in Creasote.	½ oz. in oz. glass-stoppered bottles.....	.40
" " " " Glycerin.	1 oz. glass-stoppered bottles.....	.85
Iodine and Carbolic Acid.	2 oz. bottles.....	.25
Creasote.	1 oz. glass-stoppered bottles.....	.85
Carbolic Acid.	1 oz. glass-stoppered bottles.....	.40
Carbolic Acid and Glycerin.	2 oz. bottles.....	.35
Phenol Soda.	8 oz. bottles, with directions.....	.50
Cantharidal Collodion.	1 oz. bottles.....	.50
Liquid Gutta-percha.	1 oz. bottles.....	.40
Labarraque's Solution of Chlorinated Soda.	Pint bottles. glass stopper.	.40
Monsel's Solution Persulphate of Iron.	1 oz. glass-stoppered bottles...	.25
" Powder Subsulphate	" 1 oz. bottles.....	.25
Solution of Perchloride of Iron.	1 oz. glass-stoppered bottles25
Sesquichloride of Iron. (Crystallized)	1 oz. glass stoppered bottles....	.50
Styptic Colloid.	2 oz. bottles.....	.60
Tannin.	1 oz. bottles.....	.50
Elixir of Vitriol and Tannin.	2 oz. bottles50
Isinglass Plaster.	A neat and unirritating substitute for adhesive plaster. 1 yard in box75
Acetate of Morphia.	Per bottle.....	2.00
Nerve-Paste.	Arsenic and Creasote, carefully prepared, in glass-stoppered bottles, with directions for use.....	.50
Chromic Acid.	½ oz. glass-stoppered bottles.....	.50
Chloride of Zinc.	1 oz. glass-stoppered bottles.....	.80
Sulphate of Zinc.	½ pound bottles.....	.20
Nitrate of Silver Crystals.	½th oz. bottles.....	.30
Oxalic Acid.	2 oz. bottles.....	.15
Permanganate of Potassa Crystals.	1 oz. bottles.....	.60
Bromide of Cadmium.	1 oz. bottles.....	1.00
Ether, Concent., for Spray Apparatus.	Pint bottles.....	1.25
Ether, Washed, for Inhalation.	Pint bottles	1.25
Chloroform.	Pound bottles.....	2.00
Tetrachloride of Carbon.	1 oz. glass-stoppered bottles.....	1.25
Rhigolene.	12 oz. bottles.....	1.00

Astringent Mouth Wash, S. S. White's.	16 oz. bottles, for office use.	\$1.25
Astringent Mouth Wash, S. S. White's.	3 oz. bottles, for office sale.	
Per dozen.....		8.75
Saponaceous Toilet Mouth Wash.	4 oz. bottles, for office sale. Per doz.	3.75
Tonic Mouth Wash.	2 oz. bottles. Per dozen	2.25
Teaberry Tooth Wash.	2 oz. bottles. Per dozen.....	2.25
Aromatic Mouth Wash.	4 oz. paneled-arch bottles. Per dozen.....	6.00
Bouquet Mouth Wash.	6 oz. paneled-arch, glass-stoppered bottles. Per dozen.....	9.00
Da Costa's Mouth Wash.	For office sale. Per dozen.....	3.50
Tooth Powder, S. S. White's.	No. 1. In 1 lb. tin cans.....	1.50
" "	" " " 4 lb. " "	5.00
" "	No. 2. " 1 lb. " "	1.00
" "	" " " 4 lb. " "	3.50
" "	No. 3. " 1 lb. " "	.75
" "	" " " 4 lb. " "	2.50
Tooth Paste.	In beautiful pearl color glass boxes. Per dozen.....	6.00
Tooth Soap.	Per dozen boxes.....	2.25
Cologne.	Pint bottles.....	1.00
J. D. White's Dentine.	In tin cans. Per pound.....	1.50
Best English Precipitated Chalk.	Per pound.....	.38
Nitrate of Ammonia.	Per pound.....	.60
Mercury, Re-Distilled.	Carefully prepared for making Amalgam, and warranted pure. Put up in quarter-pound bottles.....	.50
Collodion, for Vulcanite work.	2 oz. bottles, brush and directions for use.	.50
Collodion, for Vulcanite work.	6 oz. bottles.....	1.00
Sandarac Varnish, for varnishing Casts, and saturating Cotton to retain preparations for destroying nerve.	2 oz. bottles.....	.25
Liquid Silex.	With directions for use. 2 oz. bottles.....	.20
Sperm Oil.	2 oz. bottles.....	.25

SAMUEL S. WHITE.

GLASS BOXES AND JARS, FOR TOOTH POWDERS AND PASTES.

White Enamel or Pearl Color Boxes, with Britannia Covers (we do not keep the zinc covers).	2½ inches in diameter by 1½ inches high. Per dozen.....	\$1.25
Semi-transparent Boxes, all glass.	2½ inches in diameter by 1 inch high. Per dozen.....	1.00
White Enamel or Pearl Color Boxes, all glass.	2½ inches in diameter by 1½ inches high. Per dozen.....	1.25
White Enamel or Pearl Color Boxes, all glass.	3 inches in diameter by 1½ inches high. Per dozen.....	1.50
White Enamel or Pearl Color Boxes,	3 inches square by 1 inch high, for pastes. Per dozen.....	2.00
Alabaster Oval Boxes.	3½ inches long by 2½ inches wide and 1½ inches high. Per dozen.....	1.25
Semi-transparent Glass Jars, with glass covers.	3 inches in diameter by 3 inches high (called 6 oz.), for pastes or powders. Per dozen..	2.25
Gilt Rim, White Enamel, Round Glass Box.	3½ inches in diameter and 1½ inches high, each Box weighing 12 ounces. Per dozen.....	4.50
Flint Glass, New Style Boxes, on Feet.	3 inches in diameter. A very beautiful article for Paste or Powders. Per dozen.....	3.50
White Enamel or Pearl Color Boxes, with Gilt Rim, on Feet.	3 inches in diameter. A superb article for Paste or Powders. Per doz.	5.00

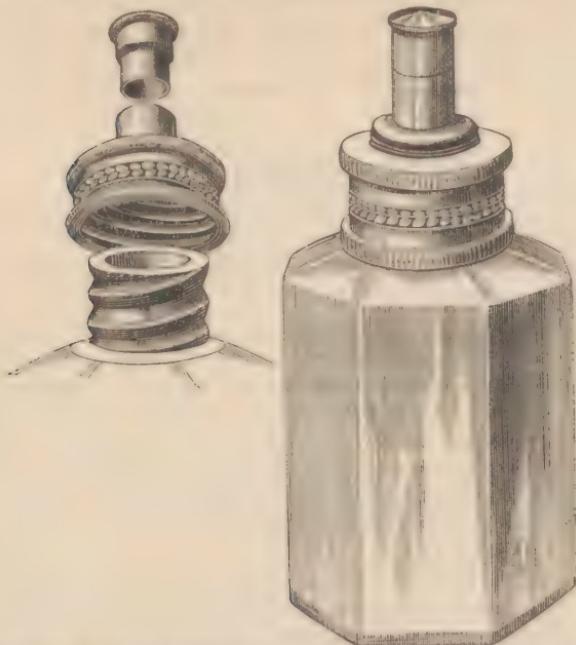
These boxes are of the best quality Pittsburg and New England glass. We are prepared to furnish them by the dozen, gross, or in original packages.

TRADE ORDERS FILLED AT THE LOWEST RATES.

SAMUEL S. WHITE.

WE CALL ATTENTION TO A NEW FORM OF
TOOTH-POWDER BOTTLE.

Patented Nov. 19th, 1867, by Dr. J. B. Da Camara.



The Bottle has a silver-plated metallic Cap, which is retained by a thread on the neck, and is easily removed to fill the Bottle.

The Tube in the centre allows the nice distribution of the powder on the brush, and is closed by a neatly-fitted sliding Cap.

This convenient manner of keeping Tooth-powder meets with general favor. It avoids waste, can be readily carried when traveling, retains the fragrance of the powder, and several may use from the same bottle with propriety.

PRICE.

Glass bottle and cap (as per cut), without boxes, per doz.....	\$2 70
Glass bottle and cap (as per cut), without boxes, filled with S. S. White's Tooth-powder, No. 1, per doz.....	4 00
Glass bottle and cap (as per cut), with elegantly finished round boxes, gilt rim, size of bottle, per doz.....	8 25
Glass bottle and cap (as per cut), with elegantly finished round boxes, gilt rim, size of bottle, and filled with S. S. White's Tooth-powder, No. 1, per doz.....	4 60
<i>Dentists can affix their own labels.</i>	S. S. WHITE.

NEW STYLE OCTAGON GLASS BOXES

FOR TOOTH POWDERS, PASTES, AND S. S. WHITE'S TOOTH SOAP.

White Enamel or Pearl Color Boxes, $3\frac{1}{2}$ inches long by $2\frac{1}{2}$ inches wide and $1\frac{1}{2}$ inch deep. Per Dozen.....	\$2.50
The Above of Flint Glass, dimensions the same. Per Dozen.....	2.50
Gilt Rim, White Enamel or Pearl Color Boxes, dimensions the same. Per Dozen.....	5.00

These boxes are of the best quality New England glass, made expressly for our sales, with trade mark at the bottom, and a convenient oval space on the lid for dentists to affix their own labels. We are prepared to furnish them by the dozen, gross, or in original packages.

SAMUEL S. WHITE.

TOOTH POWDERS, ETC.

The large sale which our Powders and other preparations for the mouth have attained, enables us to purchase the materials in such quantities as to obtain the lowest rates; while our facilities for preparing them in large quantities so reduce the cost of manufacture, that we can afford to sell them at lower prices than the Dentist could possibly make preparations of the same quality for.

TOOTH POWDERS.

We have recently revised our formulas for Tooth Powders, and now offer to the Profession three grades, called respectively No. 1, No. 2, and No. 3.

No. 1 is a very elegant powder, highly perfumed with delicate oils, and is in every respect as perfect as we know how to make it.

Price, in 1 lb. tin cans.....	\$1.50
" " 4 lb. " "	5.00

No. 2 is less delicately perfumed than the No. 1, but is an excellent powder.

Price, in 1 lb. tin cans.....	\$1.00
" " 4 lb. " "	8.50

No. 3 is intended to take the place of the old No. 2, but is an improvement on that: and, though designed more for real efficiency than for nicety as a toilet article, is a very agreeable and beautiful preparation.

Price, in 1 lb. tin cans.....	\$0.75
" " 4 lb. " "	2.50

All of these powders are warranted not to contain any injurious ingredients—the No. 3, as well as the higher priced powders, being composed of pure materials, the difference between them being more in the taste and odor than in their essential qualities.

TOOTH PASTE.

There having been considerable demand for a good Dentifrice in the form of a Paste, we have prepared an article which, it is believed, will give entire satisfaction. It is handsomely colored and delicately perfumed, and all the ingredients are warranted free from objectionable qualities for the purposes for which it is designed.

Put up in Pearl Color Boxes and labeled without the manufacturer's name.

Price, per dozen boxes.....	\$6.00
Retail price, per box.....	75

TOOTH SOAP.

In response to the request of several prominent members of the Profession, we submit this preparation as combining all the properties which are needed in a soap for Dental uses.

It is composed of the following ingredients, warranted of the best quality:

PUREST WHITE SOAP,	ORRIS ROOT,
COCOA-NUT OIL,	WHITE SUGAR,
ENGLISH PRECIPITATED CHALK,	AROMATICS.

These ingredients, combined in due proportions, form an efficient dentifrice, possessing detergent, antacid, tonic and stimulant properties, grateful to the taste, and imparting a delightful fragrance to the breath.

Put up in neat paper boxes.

Price, per dozen boxes	\$2.25
Retail price, per box.....	25

MOUTH WASHES.

Astringent Wash.—An agreeable and useful Wash, suitable for the Office and for sale to Patients, combining anodyne, astringent, disinfectant, detergent, tonic, and styptic properties.

Put up in 3 oz. bottles, for office sale.....	per dozen	\$3.75
" " 16 " " " use.....	per bottle	1.25
Retail price, per 3 oz. bottle.....		40

Tonic Mouth Wash.—A stimulant and slightly astringent Wash, suitable for office use or for sale to patients.

Put up in neat 2 oz. bottles.....	per dozen	\$2.25
Retail price.....	per bottle	25

Teaberry Tooth Wash.—A detergent and stimulant Wash, the Teaberry flavor predominating.

Put up in neat 2 oz. bottles.....	per dozen	\$2.25
Retail price.....	per bottle	25

Aromatic Mouth Wash.—An Aromatic preparation, agreeable and efficient as a Wash for toilet use or where moderate astringency and stimulation are desired.

Put up in neat 4 oz. paneled-arch bottles.....	per dozen	\$6.00
Retail price.....	per bottle	75

Bouquet Mouth Wash.—An elegant and delightful Toilet Wash, highly perfumed; leaving a persistent, grateful, and fragrant perfume upon the breath.

Put up in 6 oz. paneled-arch bottles, glass stoppered.....	per dozen	\$9.00
Retail price.....	per bottle	1.00

These Washes may be used with or without the brush, in their full strength, or diluted with water.

Saponaceous Toilet Wash.—A detergent alkaline preparation containing a large proportion of Castile Soap, and intended for daily use in cleaning the Mouth and Teeth. Used upon the brush—a drop or two is sufficient.

Put up in neat 4 oz. paneled-arch bottles.....	per dozen	\$3.75
Retail price.....	per bottle	40

These preparations are composed of pure materials, and warranted not to contain any injurious ingredients. Labeled without the manufacturer's name. Dentists may retail them to their patients with a guarantee of reliability.

SUPERIOR COLOGNE WATER.

An occasional request from our customers to procure for them a Superior Cologne Water for office use, has induced us to prepare an article which we confidently command and believe will give satisfaction.

Price, per pint bottle.....		\$1.00
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SUPERIOR TEETH BRUSHES.

MANUFACTURED EXPRESSLY FOR THE DENTAL TRADE.

We offer to the Profession a large variety of three, four, and five-row Brushes of the very best quality of material and workmanship. For convenience in ordering, we have had them put up in assorted dozens—each Brush differing in style. The Brushes being numbered on the handles, enables the Dentist or Dealer to select such styles as he may wish to order.

Three-row Children's Brushes.....	per dozen	\$2.60
Three and Four-row Brushes.....	" "	3.60
Five-row Brushes.....	" "	4.60

In addition to the above, an extensive stock of Imported Brushes, three, four, and five rows, at prices ranging from 75 cents to \$5.00 per dozen.

40- See Testimonials on following pages.

SAMUEL S. WHITE.

(47)

TOOTH POWDERS, WASHES, ETC.

EDITORIAL NOTICES FROM DENTAL JOURNALS.

We had the pleasure, recently, of inspecting the preparations put up by Samuel S. White, such as tooth-powders, mouth-washes, cologne, etc., and think we perform a duty to our readers in calling attention to them.

It must be apparent to every observant person that the manufacture of powders, soaps, washes, etc. by irresponsible individuals has assumed proportions that render some notice of it imperative on the part of those who have the welfare of their fellow-men at heart. In the majority of cases these preparations may be free from injurious substances; but, as their composition is kept a profound secret, nothing can be, nothing ought to be, done but to condemn the whole.

So unblushing has this species of quackery become, that we sadly need a law, if none exists, to put a stop to the wholesale destruction of teeth by the peddlers of these nostrums at the corners of our streets. We all know that the public "cleaning of the teeth" of those unfortunate children who submit to it, means their total destruction. Another class, but one remove from these, claiming the honored title of D.D.S., parade their wares in the daily papers, city cars, etc., utterly regardless of their own or their profession's reputation.

We are, therefore, gratified that a responsible person has entered largely into the manufacture of preparations the formulas of which are *not secret*. From a careful inspection of these, we have no hesitation in asserting that they contain nothing in the least injurious to the teeth, or parts adjacent, if used under proper limitations, as all such preparations should be. They are not only valuable for the objects intended, but elegant in character, reflecting credit upon the taste of the manufacturer.

The extensive scale upon which they are prepared enables the proprietor to place them at a price as low, if not lower, than they can be made by individuals. We, therefore, hope that in future there will be no necessity to recommend patients to try the sozodonts or other irresponsible stuffs so much in general use.
—*Dental Times*.

We have received from Dr. Samuel S. White samples of the tooth-powders, washes, soap, and pastes, etc. he is now preparing for the profession.

Dr. White is making more of a specialty of these articles than heretofore, and the attractive manner in which they are gotten up is an evidence of great taste. No expense has been spared in their manufacture.

The use of the many nostrums of this character at the present time, the majority of which, to say the least of them, are of doubtful utility, has led to the preparation of Dr. White's articles. He certainly deserves credit for his efforts to discourage the sale of injurious dentifrices.—*American Journal of Dental Science*.

S. S. White, ever watchful of the interests of the dental profession, and neglecting nothing that may administer to its welfare, has, within the past year, made quite an addition to its prophylactic and therapeutic preparations. He has, with the best counsel and advisement, and with the best selection of material, prepared three varieties of tooth-powder, Nos. 1, 2, and 3, which, from a very thorough test, as well as from a knowledge of the ingredients, we regard as most excellent; we have seen nothing better for general use. It is made of materials superior to those

that could be obtained by members of the profession usually, and is far better prepared than it could be in small quantities, and with less perfect facilities. It is furnished to the profession in any quantity from one pound upward.

He has also a dentifrice in the form of a paste. This form makes no special change in quality, but is more a matter of convenience than anything else. This is furnished in mass, or put up in boxes, as may be desired.

The profession are now able to obtain these preparations reliable and uniform.
—*Dental Register.*

Dr. S. S. White has prepared some very elegant preparations for cleansing the mouth and teeth that are not surpassed. His No. 1 tooth-powder is one of the most delicate and delightful I ever used. Those who do not prefer to prepare their own dentifrices for the use of their patients cannot do better than to keep a supply of this on hand.

His tooth-paste is also elegantly put up, and is all that could be desired for those who prefer dentifrice in this form.

Dr White has also given the profession a tooth-soap, as worthy of commendation as the above preparations.

Lastly, to make the dental toilet complete, he has put up in good style a desirable tooth-wash or mouth-wash of a saponaceous character. He has in fact "Astringent," "Tonic," "Aromatic," "Bouquet," and "Saponaceous" mouth-washes.

* * * * *

Before leaving the subject, I will say a word for a tooth-powder bottle invented by Dr. J. B. Da Camara, a cut of which is seen in the *COSMOS*. It is certainly, in my opinion, the most desirable invention for keeping and using tooth-powder ever invented. It avoids waste, preserves perfectly the odor or flavor, and can be taken and used by the traveler as conveniently as though he was at home.—*Missouri Dental Journal.*

Dr. S. S. White, Philadelphia, has favored us with a supply of his preparations for the teeth and gums, which command a large sale among the profession in the United States. Having some happy leisure on their arrival, we set to work, and gave every one of the specimens a personal trial. Such hygienic warfare was never known before. No. 1 tooth-powder, very elegant and fragrant; No. 2 less delicately perfumed, but excellent; No. 3 designed more for real efficiency than for nicety as a toilet article, but pleasant.

Then came a tooth-paste, which, however, we cared less for than any other kind of dentifrice. Then tooth-soap, which is the perfection of dentifrices of this nature. Five beautiful mouth-washes followed. Astringent Wash, combining anodyne, disinfectant, detergent, tonic, and styptic properties; Tonic Mouth-Wash, stimulant and slightly astringent; Aromatic Mouth-Wash; Bouquet Mouth-Wash, a beautiful, highly perfumed wash, leaving the breath fragrant; Saponaceous Toilet-Wash, a detergent, alkaline preparation.

Also, a bottle of superior Cologne-Water for office use, and Dr. Da Camara's patent tooth-powder bottle, a very convenient and chaste article.

We have the manufacturer's word, and that is as good as his bond, that all of these preparations are pure and harmless; and we should judge from personal examination that they would be efficient and pleasant.

The manufacturer is enabled to dispose of these preparations, neatly put up, at lower prices than any dentist could possibly make them, and we have pleasure in recommending them, one and all, to the Canadian profession and public.—*Canada Journal of Dental Science.*

S. S. WHITE'S

PREPARATIONS FOR THE MOUTH.

TESTIMONIALS.

The undersigned regard with great pleasure the efforts of Dr. S. S. White to introduce to the profession and to the public efficient and reliable preparations for the mouth and teeth, from *formulæ open to the profession*. We therefore commend to all interested the various forms of DENTIFRICES, PASTE, SOAP, and WASHES, and the improved TOOTH BRUSHES, manufactured by him, believing that their general adoption, to the exclusion of the many secret and pernicious compounds in the market, will be of advantage both to the profession and the public.

- F. J. S. GORGAS, D.D.S., M.D., Professor Dental Surgery, Baltimore College Dental Surgery.
GEO. WATT, M.D., Professor Chem., Ohio College of Dental Surgery.
J. TAFT, Professor Operative Dentistry, Ohio College Dental Surgery.
W. G. REDMAN, Louisville, Ky.
G. S. SEYMOUR, " "
W. H. MORGAN, Nashville, Tenn.
JAS. S. KNAPP, D.D.S., Dean N. O. Dental College, and Professor Theory and Practice of Dentistry.
JNO. G. ANGELL, D.D.S., Adj. Professor Operative Dental Surgery, N. O. Dental College.
W. S. CHANDLER, D.D.S., Professor Operative Dental Surgery, N. O. Dental College.
CHARLES E. KELLS, D.D.S., Professor Science of Dental Mechanism, N. O. Dental College.
A. F. McLAIN, M.D., D.D.S., Professor Institutes of Dentistry, N. O. Dental College.
R. M. GAGE, Mobile, Alabama.
H. E. CHAPIN, " "
RAMBO & REESE, Montgomery, Alabama.
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JAMES TRUMAN, D.D.S., Professor of Dental Histology and Operative Dentistry, Pennsylvania College of Dental Surgery.



ANATOMICAL PREPARATIONS.

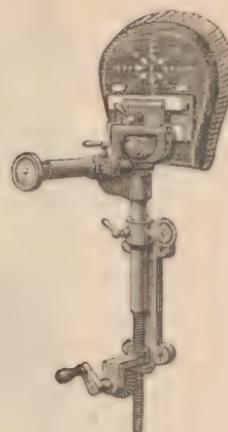
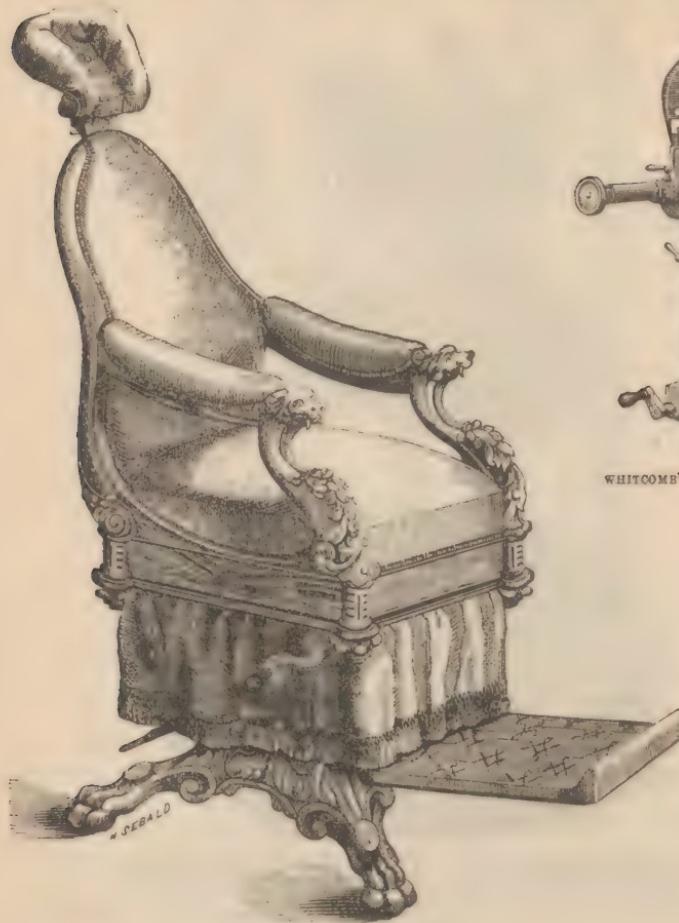
Just received from Paris, a very fine and large lot of carefully selected preparations, including

**ADULT HEADS, HEADS SHOWING FIRST AND SECOND DENTITION,
ADULT JAWS EXHIBITING THE NERVE CAVITY, ETC.**

Upper and Lower Maxilla, Carved, exhibiting Nerve on one side, and Artery and Vein on the other (Mounted), with Vase.....	\$30.00
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SAMUEL S. WHITE.

DENTAL CHAIRS.



WHITCOMB'S HEAD-REST.

For strength, durability, and beauty of finish, these Chairs cannot be excelled. They are made of Oiled Walnut, Rosewood, and Walnut imitation of Rosewood; are upholstered in the best style and most superior manner, at the following prices:

PERKINS' LATEST PATTERN, No. 3 (See Cut), viz.:

Rosewood.....	\$185 00
Oiled Walnut.....	170 00
Walnut Imitation of Rosewood.....	170 00
With Whitcomb's Head-rest substituted.....	extra 80 00
Upholstered with Silver-headed Nails.....	" 2 00
Boxing.....	" 5 00

PERKINS' IMPROVED, No. 2, viz.:

Walnut Imitation of Rosewood.....	\$160 00
Mahogany.....	160 00
Rosewood.....	170 00
Finishing with Silver-headed Nails.....	extra 2 00
Boxing.....	" 5 00

S. S. WHITE'S, No. 1.

Walnut Imitation of Rosewood, Walnut Oil Finish, Walnut Varnished, and

Mahogany.....	85 00
Silver-headed Nails.....	extra 2 00
Boxing.....	" 4 50

These are Philadelphia prices; Freight and Expenses to be added when sold at other Depots.

R. W. ARCHER'S, viz.:

No. 1. Black Walnut, upholstered with Enameled Cloth or Reps.....	51 00
No. 2. Black Walnut, upholstered with figured Plush	61 00
No. 2. Mahogany " " "	64 00
Plain Plush adds \$3 00 to No. 2.	
No. 3. Black Walnut, Carved, upholstered with best Plush.....	90 00
No. 3. Mahogany, same style and finish	90 00
No. 4. Rosewood, Carved, upholstered in the very best manner with best quality Plush. Seat raised by a wheel instead of a crank.....	125 00
No. 4 Mahogany or Walnut, same style and finish.....	110 00
Table and Crane for Chair, bronzed.....	5 00
Table and Crane for Chair. The Table with Drawers, Crane Silver-plated.....	16 00
Finished with Silver-headed Nails.....	extra 2 00

These Chairs will be found fully described and illustrated in the Catalogue recently issued.

SAMUEL S. WHITE.

(53)

IMPROVEMENT IN CHAIRS,

By O. C. WHITE, D.D.S.

Patented for the United States March 12, 1867, and since improved;
also patented in England, France, and Belgium.

A NEW MECHANICAL COMBINATION,

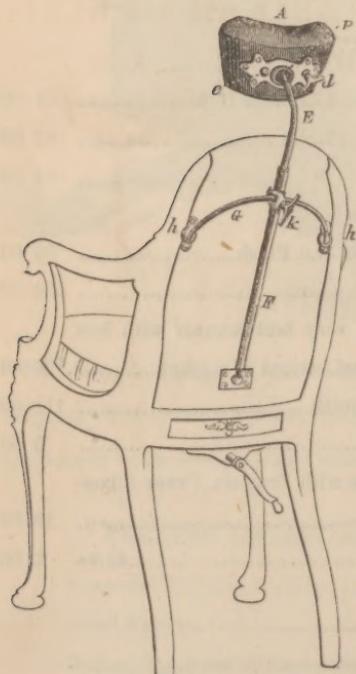
WHEREBY

MOTION IN EVERY DIRECTION

IS SECURED FOR A

HEAD-REST,

*And Perfect Fixation produced by the turning of a single
Thumb-screw. Can be easily applied to all Chairs
requiring a Head-rest.*



The cut represents a back view of the Rest as applied to a Chair. *A* represents the Upholstery, mounted on a Ball-and-socket Joint, *B*. A Screw, *c*, holds in position the inner part of a Clamp, while a Bolt in the opposite end is received into the Thumb-nut, *d*, which clamps the Ball on the Slide-rod, *E*. *F*, a Tube supported by a ball and socket placed in a line with the seat of the Chair. *G*, curved Cross-rod mounted with Globe and Cup Joints, *h h*, adapted either to a flat or a round-back Chair.

The swinging of the Cross-rod, *G*, gives a forward and back motion; the upright Tube, *F*, sliding along this, a wide lateral motion; the Slide-rod, *E*, an up-and-down motion. These motions, either separate or combined, are controlled by the Thumb-screw, *k*, by which strong fixation is made in any position the head may be placed.

This invention is the result of much study by its author, to supply a want found, from his own practice, to exist in all Dental Chairs. By it a direct, prompt, simple duplicate or apposition movement is employed, which follows the patient in any direction, thus making adjustment and support easy and firm in all positions. The following are some of the advantages of this Head-rest:

A very great range of movement in all directions. The scale of its movement makes adjustment at once for a small or a very tall person.

The facility with which any change can be made, without removing the head from the Upholstery, gives great comfort both to patient and operator.

The wide lateral motion, without disturbing the seat of the Chair or the security of the patient, relieves the operator from leaning across or of being deprived of an easy position. The old high and cumbersome chair-back is not required.

Having its support at the base and sides, it can be applied to any Chair, while at the same time the Chair is braced and made stronger.

There are no prominent or projecting parts in the operator's way.

Its simple yet distinguished mechanism removes the usual clumsiness, and gives an elegant appearance.

More than two years' practical test of its working, the highest approval of men eminent in the Dental Profession, who have adopted it on their Operating Chairs to the exclusion of the old complicated forms, or those made with the Chairs, permit the author to modestly claim the invention of the SIMPLEST AND BEST HEAD-REST.

PRICE OF THE HEAD-REST AS ABOVE REPRESENTED:

No. 1. Best materials and finish, silver-plated Bell-metal Mountings, and upholstered with Plush.....	\$35.00
No. 2. Good materials and workmanship, Bronzed Mountings, upholstery the same.....	28.00
No. 3. Has flat, upright steel Slide-bars, mounted with Ball-and-socket Joints, silver-plated Thumb-screws, Bronzed Mountings, Plush Upholstery.....	20.00
No. 4. Same as No. 3, but with stationary and narrow Top, upholstered with Rep, japanned Thumb-screw, Bronze Mountings.....	12.00
No. 5. Flat, gray-iron Slide-bars, stationary and narrow Top, upholstered with Rep, japanned Thumb screw, Bronze Mountings.....	7.00

SAMUEL S. WHITE.

WHITE'S IMPROVED SELF-ATTACHING PORTABLE HEAD-REST.

Makes its own fastenings to almost any style of Chair, Sofa, Lounge, or Settee; and for the backs of Car Seats is peculiarly adapted.

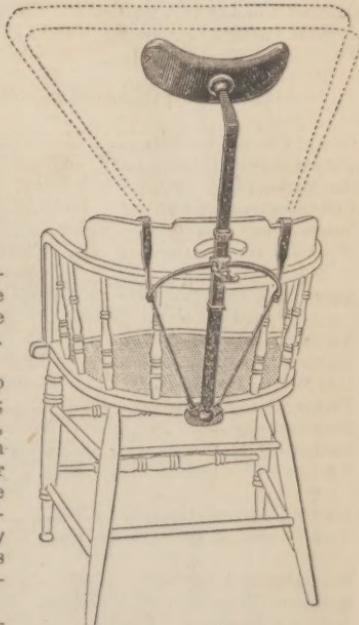
It has full movement in all directions, on a scale for a tall person or for a child, and is securely fastened by turning a single Thumb-screw.

The accompanying Cuts represent the Rest applied to a common office chair, with dotted lines showing its movement; and the Rest, on the same scale of size, folded up, to occupy but little space, either for transportation or to lay aside. Weight, $4\frac{3}{4}$ lbs.

It has Silver-plated Thumb-screw and Top Piece, Japanned Steel Bars and Slide-rods; is handsomely upholstered with fine Plush, lined, and stuffed with Curled Hair, on an *Elastic Steel Back*. It is well adapted for Office, Travel, or the House; on Chairs for the Sick it is invaluable. In a word, it improvises an excellent *Operating Chair*, an *Easy Chair*, or a *Therapeutic Chair* at once, and is throughout an elegant and complete arrangement.

No. 6. Price of the Portable Rest, as described, all complete, \$10.00.

No. 7. in same form, Japanned Wrought Iron Bars and Slide-rods, Japanned Thumb-screw and Top Piece, upholstered with Rep, \$7.50.



SAMUEL S. WHITE.

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